PD726 & PH730

Service Guide

Service guide files and updates are available on the AIPG/CSD web; for more information, please refer to http://csd.acer.com.tw

PRINTED IN TAIWAN

Revision History

Please refer to the table below for the updates made on PD726 & PH730 service guide.

Date	Chapter	Updates

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Conventions

The following conventions are used in this manual:

Screen messages	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Reminds you to do specific actions relevant to the accomplishment of procedures.

Preface

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

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System Introduction - PD726

Technical Specification

Item	Description
Dimensions (LxWxH)	350 x 282 x 118.75 mm
Weight	Approx. 7.7 lbs (3.5 Kg)
Tilt Angle	6 degree with elevator mechanism
Keystone correction	+/-16 degree (32 degree)
Lamp Door Projection	Lamp power supply shut off automatically when door is opened
Power Supply	- Universal AC 100-240V ~ 50-60Hz with PFC input - 300W for OSRAM E21.8 (G2) Lamp @ normal operation - Variance FAN speed control (Depends on temperature variant)
Projection Lens	f=28.0mm~33.6mm@2.4m, F/2.4~2.6@2.4m, 1.2X Manual Zoom Lens (WT41)
Throw Distance	1.2 - 12m (Mechanical Travel)
Brightness	- 3060 ANSI Lumens Typical @ Normal Mode - 2450 ANSI Lumens minimum @ Normal Mode
Contrast	- 1200 : 1 Full White and Black (Minimum) - 2000 : 1 Full White and Black (Typical)
Uniformity	- 70% Japan standard (Minimum) - 85% Japan standard (Typical)
Temperature	Opterating : 5~35°C Storage : -20~60°C
Maximum Humidity	Operating : 5~35°C, 80%RH (Max.), non-condensing Storage : -20~60°C, 80%RH (Max.), non-condensing
Acoustic noise level	Typical 35 dB(A) and maximum 37 dB(A) at 23+/- deg C for the full power (300W) mode Typical 32 dB(A) and maximum 34 dB(A) at 23+/- deg C for the eco (250W) mode
Lamp Life	2000 hours min, 50% survival rate (Full Power Mode) 2500 hours min, 50% survival rate (Eco Mode)
Altitude	Operating : 0~2,500 ft for 5 °C~35°C 2,500~5,000 ft for 5 °C~30°C 5,000~10,000 ft for 5 °C~25°C Storage : 40,000 ft (Max.)
MTBF	Operating more than 12,000 hours (90% Confidence Level)
Resolution	1024(H) x 768(V)
Color Wheel	- Four segments: R(92) / G(83) / W(110) / B(75) - 7200 rpm
DMD Chip	- 0.7" 12° LVDS XGA Digital Mirror Device

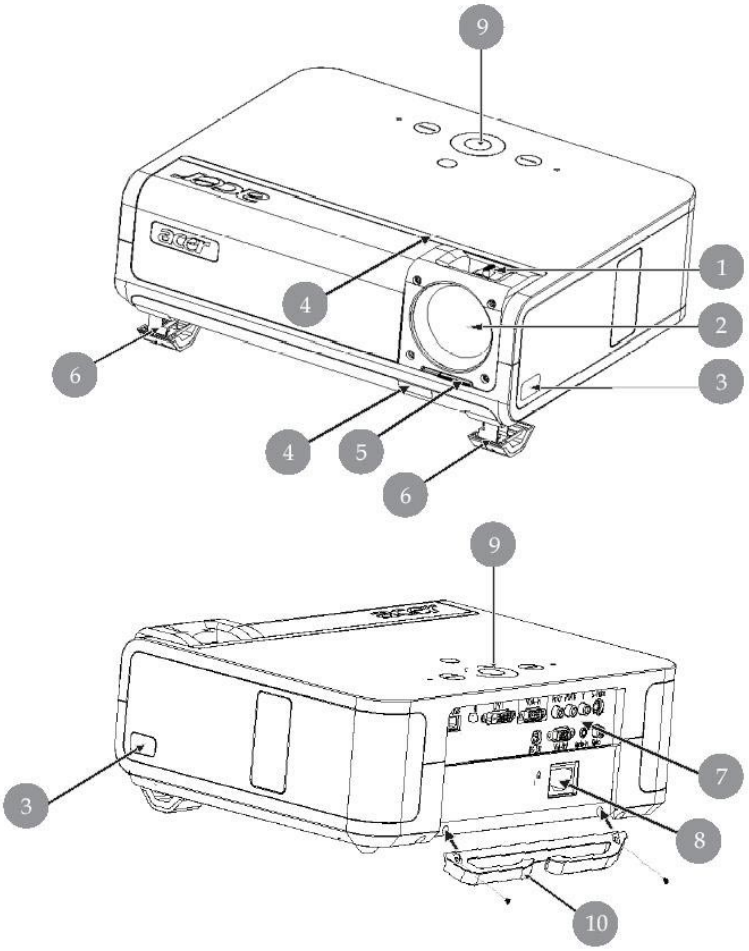
System Introduction - PH730

Technical Specification

Item	Description
Dimensions (LxWxH)	350 x 282 x 118.75 mm
Weight	Approx. 7.7 lbs (3.5 Kg)
Tilt Angle	6 degree with elevator mechanism
Keystone correction	+/- 6 Degree
Lamp Door Projection	Lamp power supply shut off automatically when door is opened
Power Supply	- Universal AC 100-240V ~ 50-60Hz with PFC input - 230W for OSRAM E20.5 Lamp @ normal operation - Variance FAN speed control (Depends on temperature variant)
Projection Lens	f=22.25mm~26.69mm, F/2.5~2.8, 1.2X Manual Zoom Lens (YM10-M)
Throw Distance	1.5 - 10m (Mechanical Travel)
Brightness	- 1020 ANSI Lumens -- Typical - 820 ANSI Lumens -- Engineering Minimum
Contrast	- 2500 : 1 Full White and Black -- Typical - 1500 : 1 Full White and Black -- Engineering Minimum
Uniformity	- 75% Japan standard (Minimum) - 85% Japan standard (Typical)
Temperature	Opterating : 5~35°C Storage : -20~60°C
Maximum Humidity	Operating : 5~35°C, 80%RH (Max.), non-condensing Storage : -20~60°C, 80%RH (Max.), non-condensing
Acoustic noise level	Typical 32 dB(A) & maximum 34 dB(A) at 23+/-2 deg C for the full power (230W) mode Typical 29 dB(A) & maximum 31 dB(A) at 23+/-2 deg C for the eco (180W) mode
Lamp Life	2000 hours min, 50% survival rate (Full Power Mode) 4000 hours min, 50% survival rate (Eco Mode)
Altitude	Operating : 0~2,500 ft for 5 °C~35°C 2,500~5,000 ft for 5 °C~30°C 5,000~10,000 ft for 5 °C~25°C Storage : 40,000 ft (Max.)
MTBF	Operating more than 12,000 hours (90% Confidence Level)
Resolution	1280(H) x 768(V)
Color Wheel	- Seven segments: B(47) / R(62) / G(56) / W(30) / B(47) / R(62) / G(56) - 7200 rpm
DMD Chip	- 0.65” LVDS WXGA Digital Mirror Device

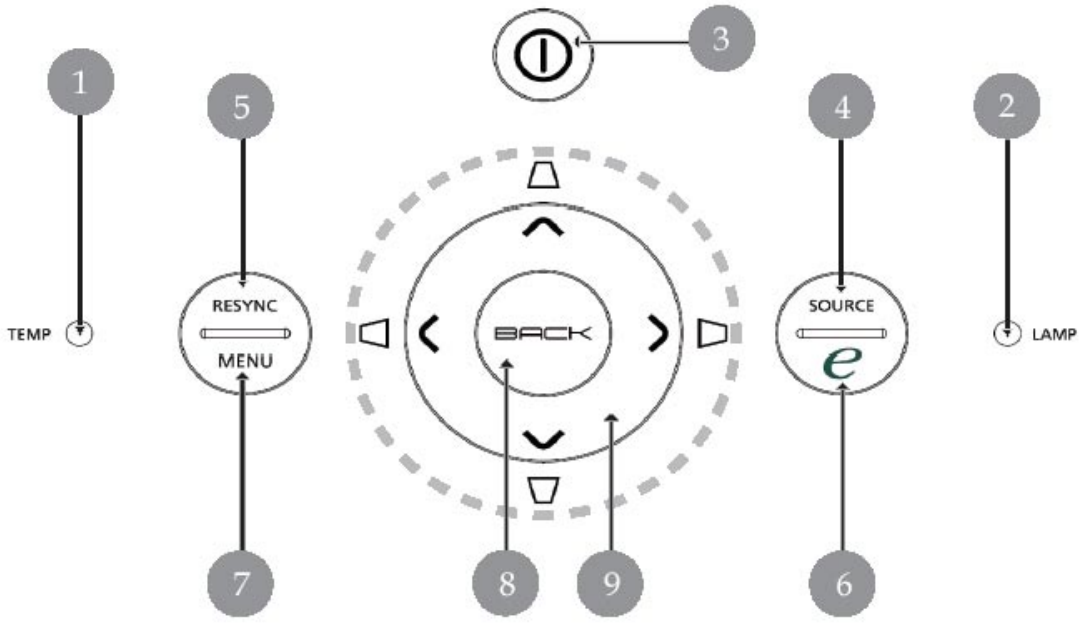
Product Overview

Main Unit



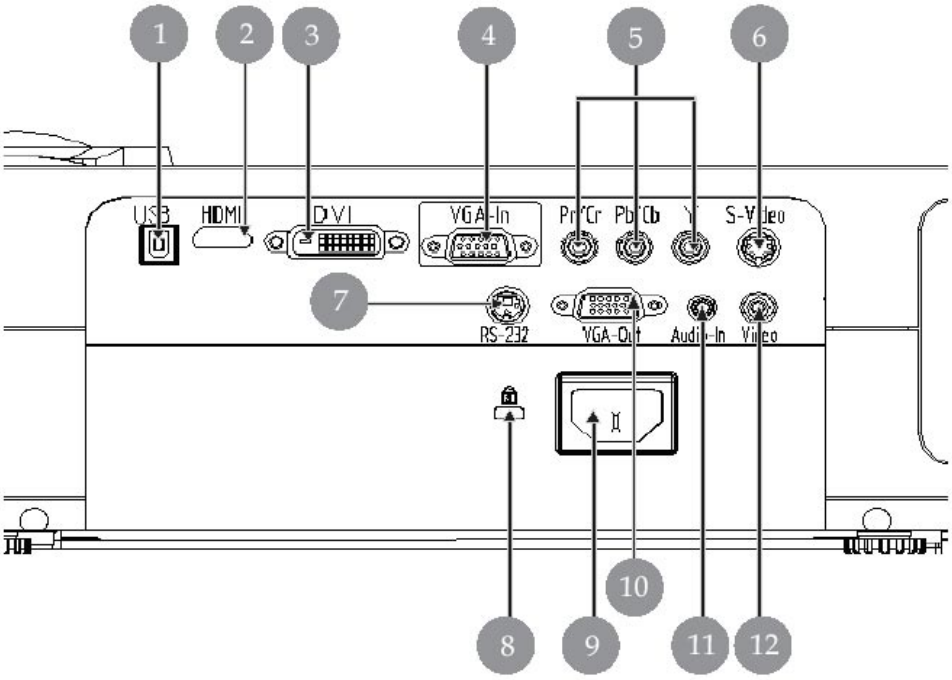
Item	Description
1	Focus Ring / Zoom Ring
2	Zoom Lens
3	Elevator Button
4	Remote Control Receiver
5	Lens Cap Switch
6	Elevator Foot
7	Connection Ports
8	Power Socket
9	Control Panel
10	Detachable cable holder

Control Panel



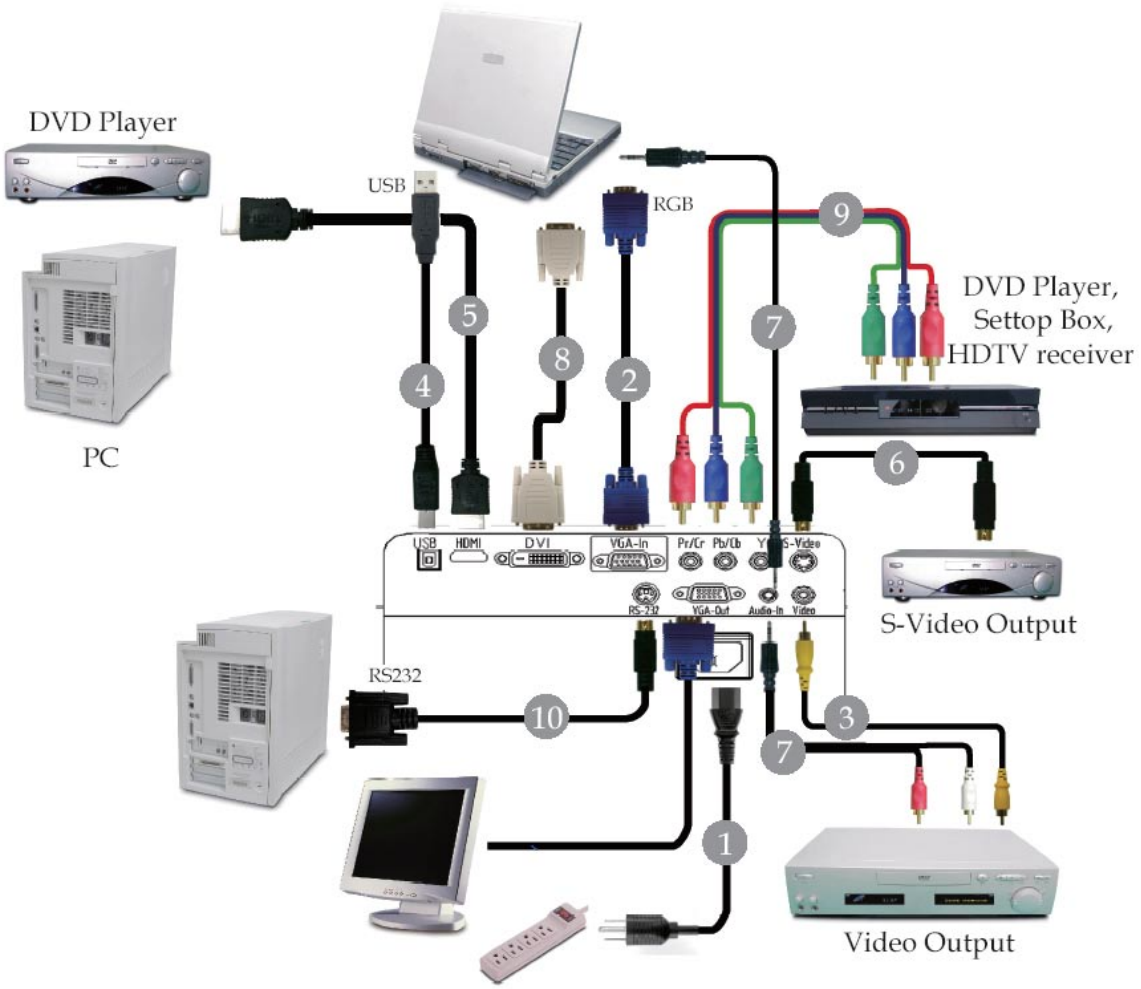
Item	Description
1	Temp Indicator LED
2	Lamp Indicator LED
3	Power and Indicator LED (Power LED)
4	Source
5	Resync
6	Empowering Key
7	Menu
8	Back
9	Four Directional Select Keys (Keystone)

Connection Ports

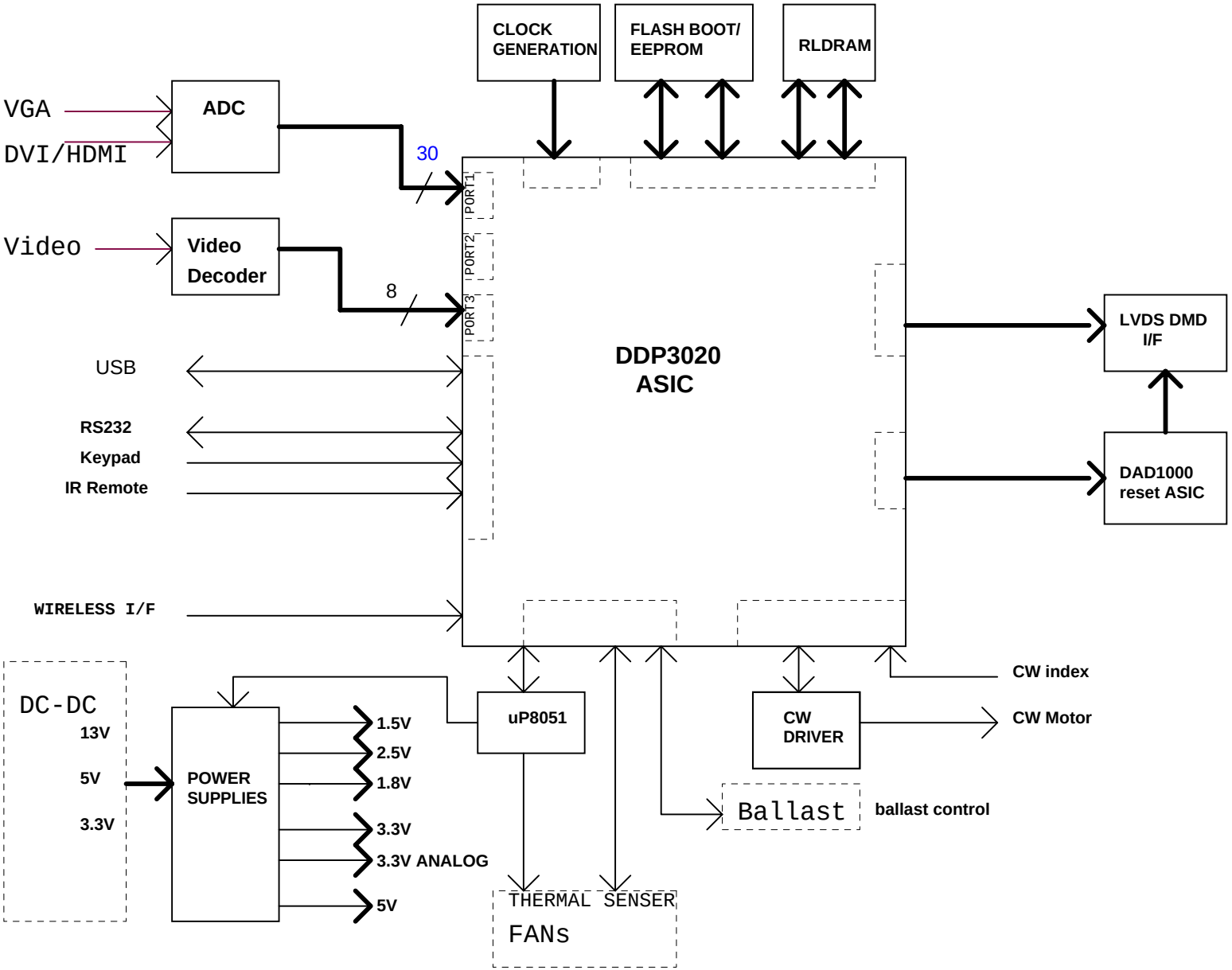


Item	Description
1	USB Connector
2	HDMI Connector
3	DVI Input Connector
4	VGA Input Connector (PC Analog Signal)
5	Component Video Input Connector
6	S-Video Input Connector
7	RS232 Connector
8	Kensington™ Lock Port
9	Power Socket
10	VGA Output Connector (Monitor Loop-through Output Connector)
11	Audio Input Connector
12	Composite Video Input Connector

Connecting the Projector



Item	Description
1	Power Cord
2	VGA Cable
3	Composite Video Cable
4	USB Cable
5	HDMI Cable (Optional Accessory)
6	S-Video Cable
7	Audio Cable Jack / Jack or Audio Cable Jack / RCA
8	DVI Cable (Optional Accessory)
9	3 RCA Component Cable
10	RS232 Cable (Optional Accessory)


CLOCK GENERATION
FLASH BOOT/ EEPROM
RLDRAM
VGA
DVI/HDMI
ADC
30
Video
Video Decoder
8
PORT1
PORT2
PORT3
DDP3020 ASIC
LVDS DMD I/F
DAD1000 reset ASIC
USB
RS232
Keypad
IR Remote
WIRELESS I/F
DC-DC
13V
5V
3.3V
POWER SUPPLIES
1.5V
2.5V
1.8V
3.3V
3.3V ANALOG
5V
uP8051
CW DRIVER
CW index
CW Motor
Ballast
ballast control
THERMAL SENSER
FANs

Firmware Upgrade

Equipment Needed

Software : (DDP 3020- USB)

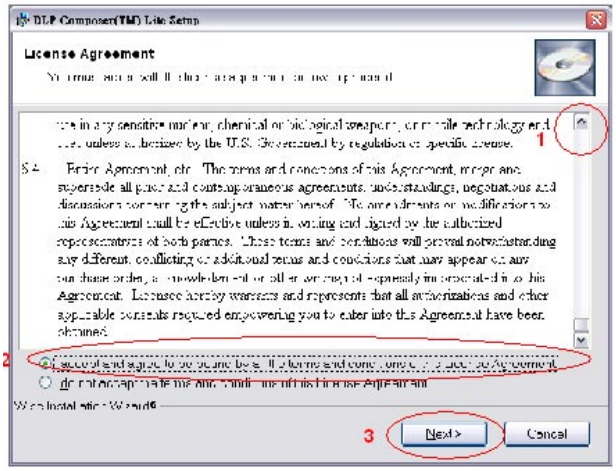
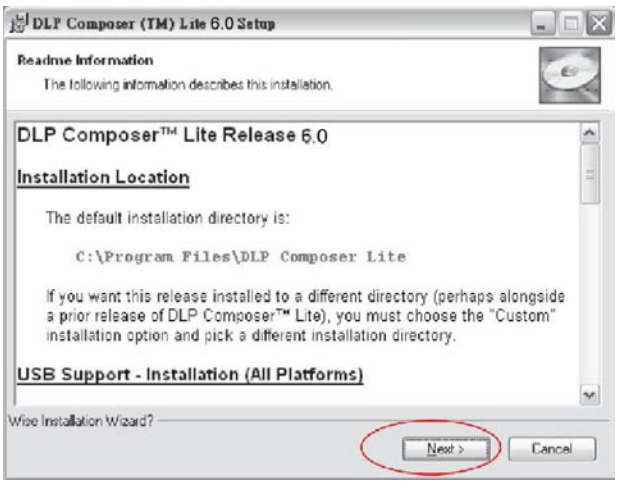
- DLP Composer Lite (6.0)
- Firmware (PD726 & PH730)

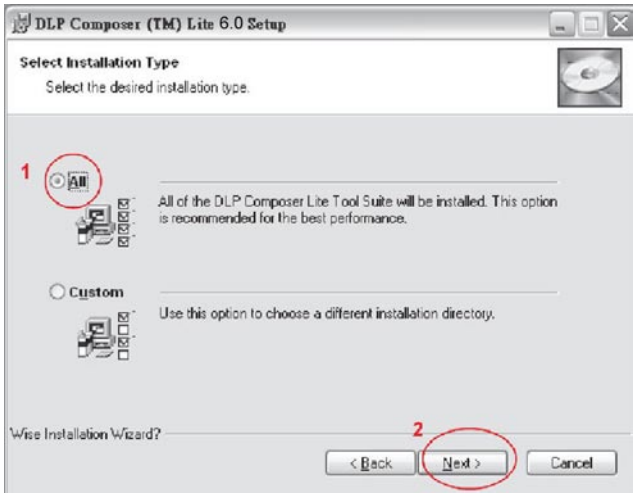
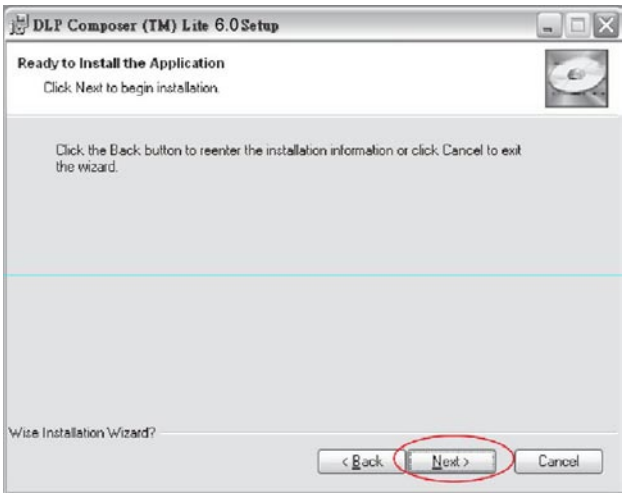
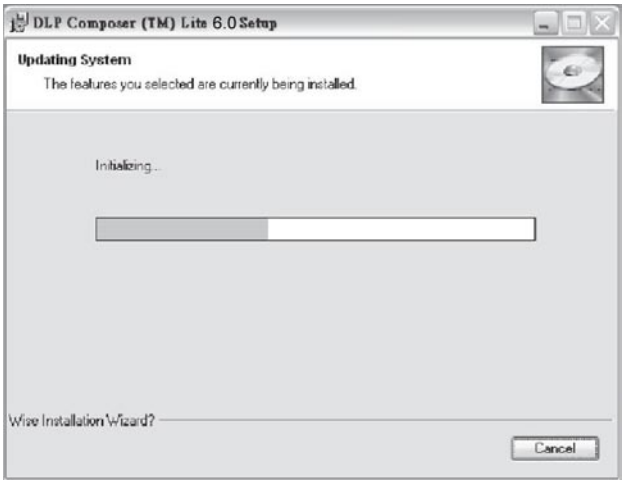
Hardware :

Item	Photo	Item	Photo
Projector (PD726 & PH730)		USB Cable	
Power Cord		PC or Lap-top	

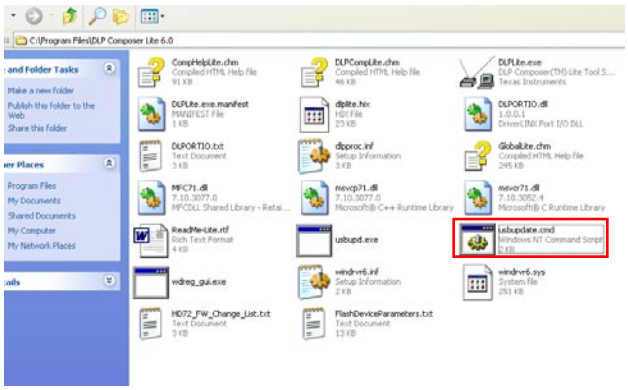
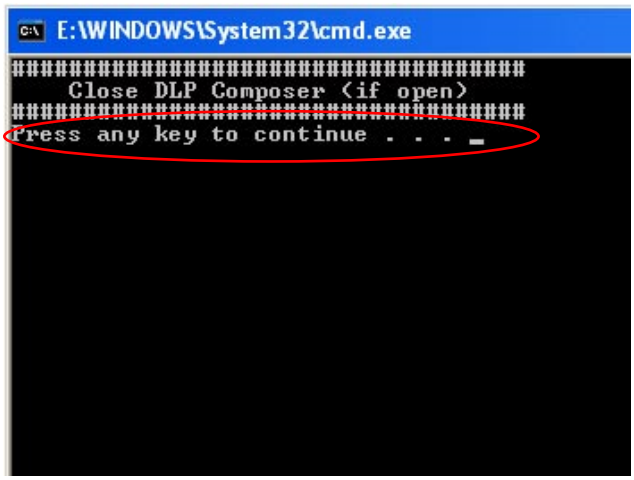
Installation Procedure

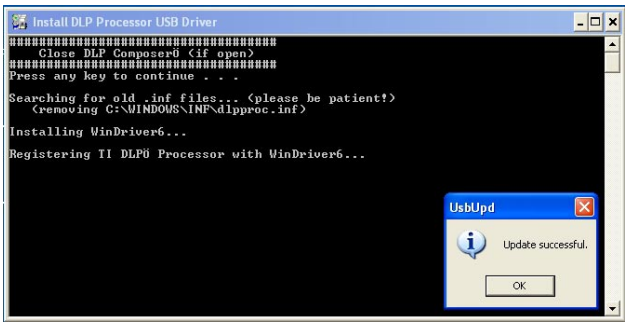
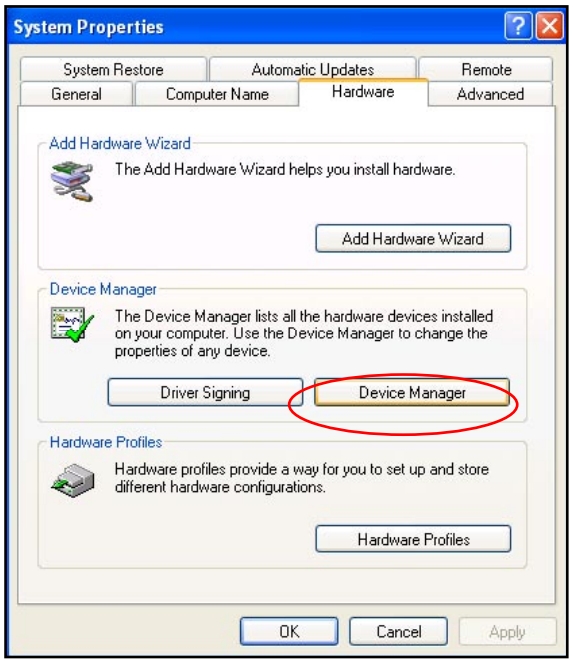
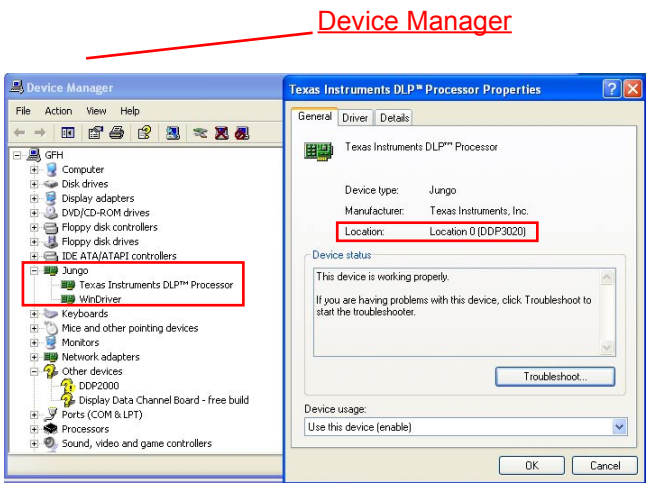
DLP Composer Lite Setup Procedure

No	Step	Procedure	Photo
1	Execute FW program	Choose “DLP Composer Lite v6.0 Setup” program.	
2	Next	Click “Next” button.	
3	Next	1. Reading the “License Agreement” rules. 2. Choose “I accept and agree to be bound by all the terms and conditions of this License Agreement” icon. 3. Click “Next” button.	
4	Next	Click “Next” button.	 DLP Composer (TM) Lite 6.0 Setup Readme Information The following information describes this installation. DLP Composer™ Lite Release 6.0 Installation Location The default installation directory is: C:\Program Files\DLP Composer Lite If you want this release installed to a different directory (perhaps alongside a prior release of DLP Composer™ Lite), you must choose the "Custom" installation option and pick a different installation directory. USB Support - Installation (All Platforms) Wise Installation Wizard? Next > Cancel

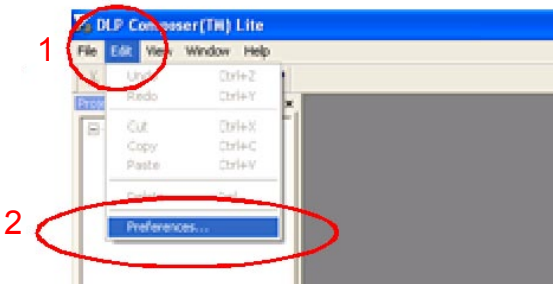
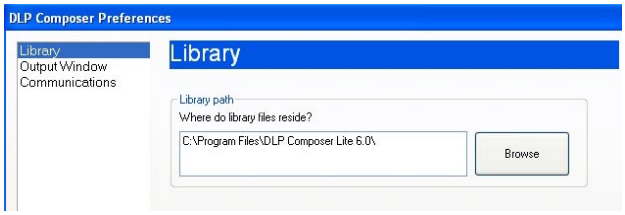
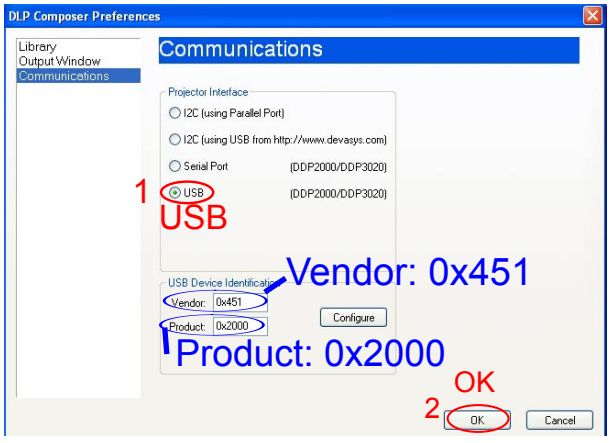
No	Step	Procedure	Photo
5	Next	1. Choose “All” icon. 2. Click “Next” button.	
6	Next	Click “Next” button.	
7	Process-ing	The program is execut-ing “Initializing” status.	

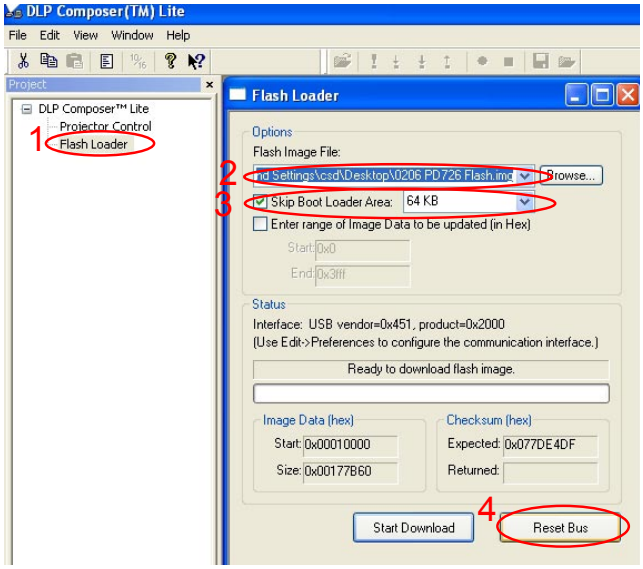
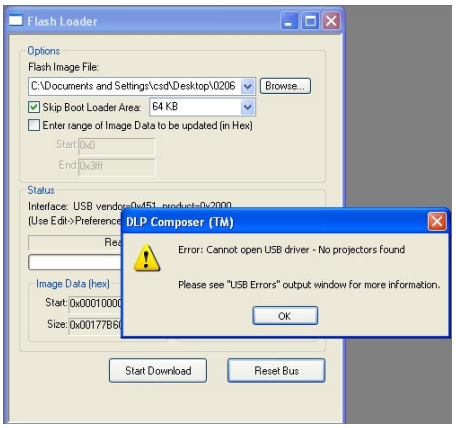
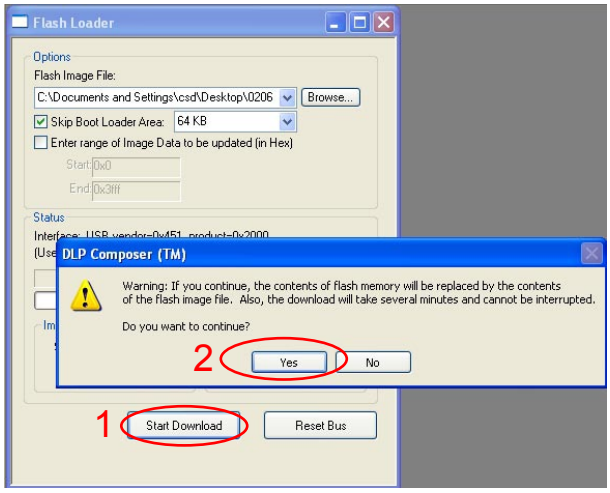
USB Driver Upgrade Procedure

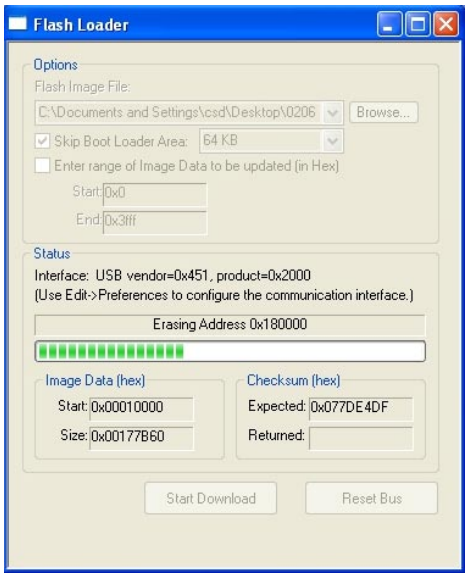
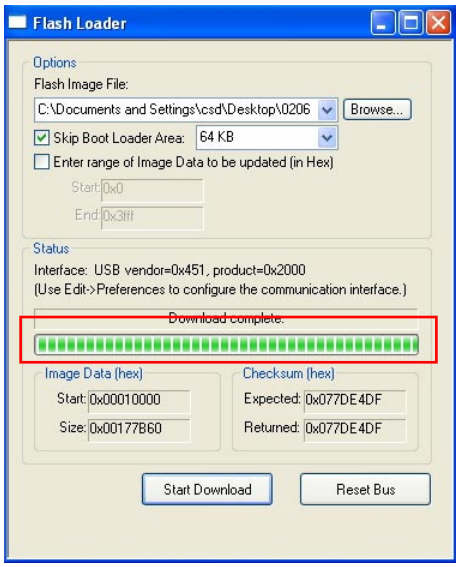
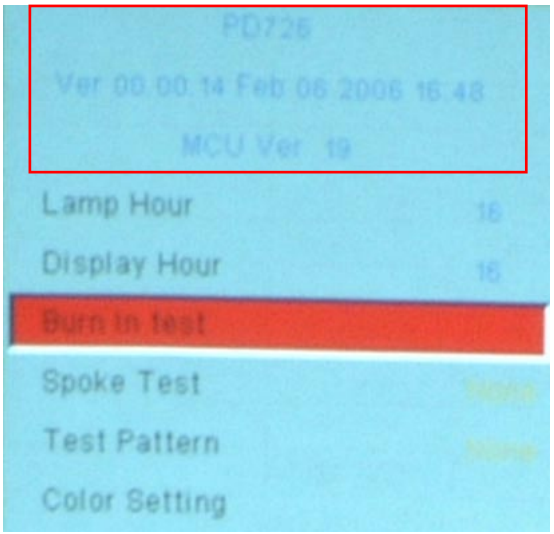
No	Step	Procedure	Photo
1	Set-up	1. Hold on “Menu” button and plug in Power Cord while holding on “Menu”. 2. Wait for about 5 secs. 3. Once Power, Lamp, Temp LED lights up, then, plug in USB Cable into the Projector. (Note: The system fan will operate in full speed. The light will not function as well.)	
2	Execute Program	Execute the C:\Program files\DLP Composer 6.0\usbupdata.cmd (Note: The “DLP Composer” program must be closed first.)	
3	Type any key to continue	Press any key to continue. Then, wait for about 1 minute.	

No	Step	Procedure	Photo
4	Update Success-fully	In 1 minute, click “OK”. The USB driver is up-dated successfully.	 Install DLP Processor USB Driver Close DLP Composer0 (if open) Press any key to continue . . . Searching for old .inf files... (please be patient!) (removing C:\WINDOWS\INF\dlpproc.inf) Installing WinDriver6... Registering TI DLP® Processor with WinDriver6... UsbUpd Update successful. OK
5	Device Manager	1. Right click “My computer” on the desktop. 2. Select “Properties” on the popup menu to launch the “System Properties” window. 3. Choose “Hardware” and then click “Device Manager”.	 System Properties System Restore Automatic Updates Remote General Computer Name Hardware Advanced Add Hardware Wizard The Add Hardware Wizard helps you install hardware. Add Hardware Wizard Device Manager The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device. Driver Signing Device Manager Hardware Profiles Hardware profiles provide a way for you to set up and store different hardware configurations. Hardware Profiles OK Cancel Apply
6	Ensure “DDP3020” & “Win-Driver” are properly installed	Click “Jungo” to ensure “Texas Instruments DLP™ Processor”, then, click “General” and check if the Location is “DDP3020” or not. Also, “Windriver” are properly installed. If not, repeart Step 1~5.	 Device Manager Device Manager File Action View Help GPH Computer Disk drives Display adapters DVD/CD-ROM drives Floppy disk controllers Floppy disk drives IDE ATA/ATAPI controllers Jungo Texas Instruments DLP™ Processor WinDriver Keyboards Mice and other pointing devices Monitors Network adapters Other devices DDP2000 Display Data Channel Board - free build Ports (COM & LPT) Processors Sound, video and game controllers Texas Instruments DLP™ Processor Properties General Driver Details Texas Instruments DLP™ Processor Device type: Jungo Manufacturer: Texas Instruments, Inc. Location: Location 0 (DDP3020) Device status This device is working properly. If you are having problems with this device, click Troubleshoot to start the troubleshooter. Troubleshoot... Device usage: Use this device (enable) OK Cancel

Firmware Upgrade Procedure

No	Step	Procedure	Photo
1	Set-up	1. Hold on “Menu” button and plug in Power Cord while holding on “Menu”. 2. Wait for about 5 secs. 3. Once Power, Lamp, Temp LED lights up, plug in USB Cable into the Projector. (Note: The system fan will be operated in full speed. The light will not function as well.)	
2	Set-up	Link PC USB and pro-jector	
3		Execute the “DLP Compose(TM) Lite 6.0”.	
4		Click “Edit” and “Prefer-ences”.	
5		1. Click “Library”. 2. The library path in the default installation directory is C:\Program Files\DLP Composer Lite 6.0 If not, press “Browse” to select the right path.	
6		1. Select “Edit\Prefer ences\Communi cations” and choose “USB”. 2. Click “OK”.	

No	Step	Procedure	Photo
7		1. Choose “Flash Loader” 2. Click “Browse” to search the firmware file. (PD726 / PD730) 3. Select the item “Skip Boot Loader Area (load all but the first 64KB).” 4. Click “Reset Bus” to erase the flash memory. (Note: If the error message “cannot open USB driver - No projectors found” appears, please unplug the USB Cable and replug, then check Driver. Finally, re-do 4. Click “Reset Bus” to erase the flash memory.)	 Note: 
8		1. If the firmware is ready, click “Start Download” to process the firmware upgrade. 2. Click “Yes” to erase the flash memory.	

No	Step	Procedure	Photo
9	Proceed-ing	Proceeding Picture	
10		1. When Firmware Upgrade Process is finished, the LED power flashs. 2. Unplug USB Cable and Power Cord. Re-plug in Power Cable.	
11	Check Firmware	Restart the unit and enter the Service Mode to check the Firmware Version. (For entering Service Mode, please refer to Chapter 4 Function Test and Alignment Proce-dure.)	

EDID Upgrade

EDID Introduction

Extended **D**isplay **I**dentification **D**ata is a VESA standard data format that contains basic information about a display device and its capabilities, including vendor information, maximum image size, color characteristics, factory pre-set timings, frequency range limits, and character strings for the model name and serial number.

The information is stored in the display and is used to communicate with the system through a Display Data Channel (DDC), which sites between the display device and the PC graphics adapter. The system uses this information for configuration purposes, so the unit and system can work together.

Note:

If a display device has digital input ports, like DVI or HDMI, but without EDID in its main board, the display device will show no image while the input source is digital signal.

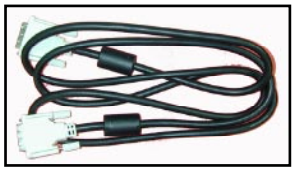
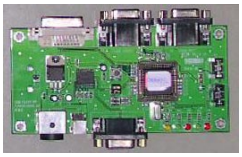
Equipment Needed

Software:

- EDID Software (Generic V0.51)
- EDID Table (*.ini) -- PD726 or PH730

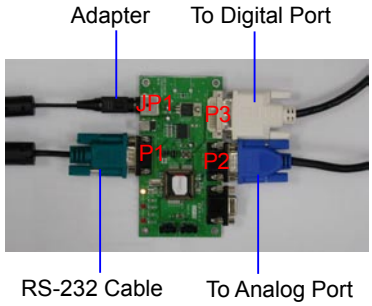
Hardware:

- V3 Fixture for EDID Key-in
  (Fixture: JP3 must be closed)

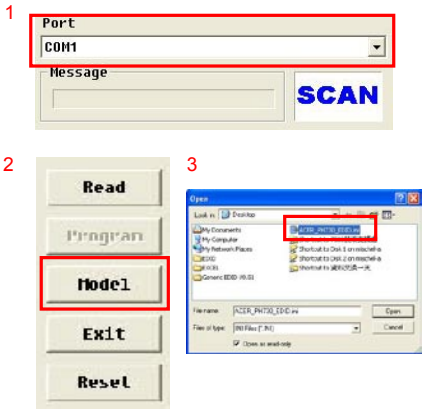
Item	Photo	Item	Photo
RS-232 Cable (F - M)		Power Adapter for Fixture	
DVI Cable		Generic Fixture	
VGA Cable		Power Cord	

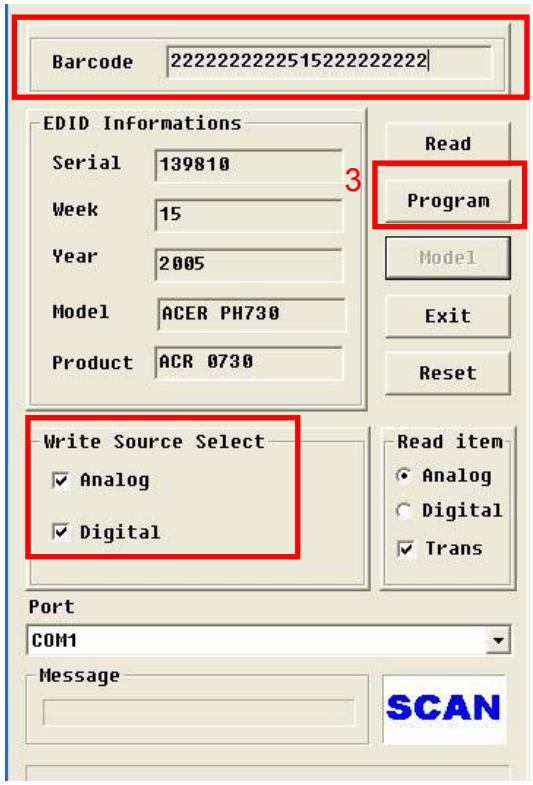
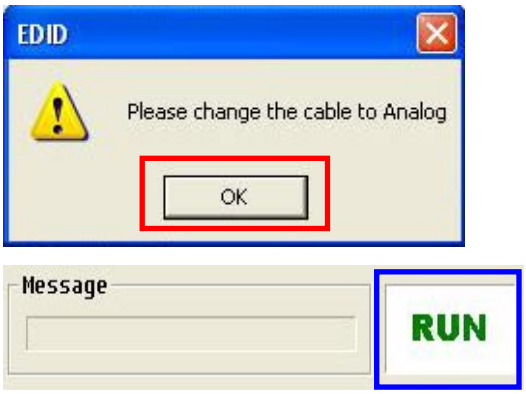
Item	Photo	Item	Photo
PC		One additional monitor (for checking the program execution)	
Projector (PD726 / PH730)		DVI-HDMI Connector	

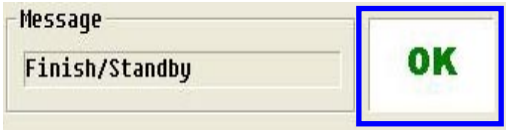
Setup Procedure

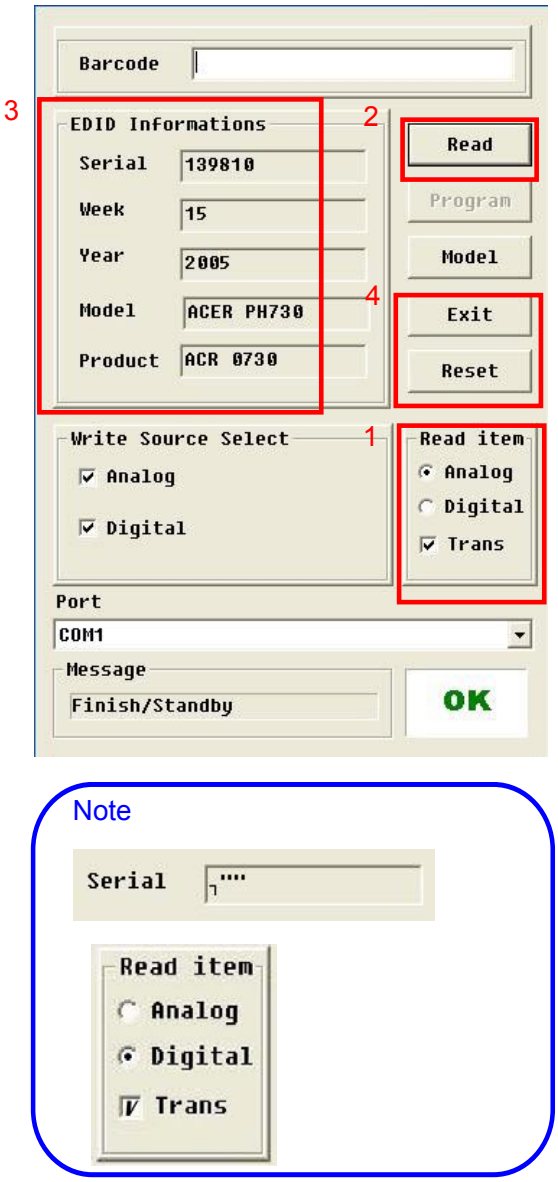
No	Step	Procedure	Photo
1	Connect All Ports	1. Power Adapter to Fixture JP1 2. Fixture P1 to PC COM1 Port 3. Fixture P2 to Projector Analog Port 4. Fixture P3 to Projector Digital Port	
2	Power On Fixture	Power on Fixture	
3	Notice: When installing the EDID in PD726 or PH730, please plug in power cord, but don't power on the unit.		

EDID Key-In Procedure

No	Step	Procedure	Photo
1	Execute EDID Program.	Click on "EDID" to execute EDID Program.	
2	Choose Model	1. In the Port Selection Bar, please choose the Port that you use. Ex: If you use "COM 1", choose COM 1 in the Port selection. 2. Click on "Model". 3. Choose the EDID that responses to the model that you choose.	

No	Step	Procedure	Photo
3	Key in Serial Number	1. Key in the Serial Number into the Barcode blank space. 2. In “Write Source Select”, make a check in “Analog” and “Digital”. 3. Click “Program”.	
4	Change Cable to Analog	“Please change the Cable to Analog” message is shown on the screen, then click “OK”. (Note: “RUN” message will appear on the screen.)	
5	Change Cable to Digital	“Please change the Cable to Digital” message is shown on the screen, then click “OK”. (Note: “RUN” message will appear on the screen.)	
6	Finished	When the EDID program is completed, the message, “OK”, will appear on the screen.	

No	Step	Procedure	Photo
7	Install HDMI EDID	For the HDMI EDID Installation: 1. Plug “DVI-HDMI Connector” in the HDMI port. 2. Connect the DVI Cable. 3. Once the Cable is connected, please follow the step 3 and choose the Digital pattern to execute the EDID installation.	1 2 3
8	Change Cable to Digital	“Please change the Cable to Digital” message is shown on the screen, then click “OK”. (Note: “RUN” message will appear on the screen.)	
9	Finished	When the EDID program is completed, the message, “OK”, will appear on the screen.	

No	Step	Procedure	Photo
10	Check the whole process	1. In the “Read Item” Selections, choose the Port that you use. Ex: If you use the Analog Port, choose “Analog” in the “Read Item”. 2. Click on “Read” to read EDID information. 3. The “EDID Informations” will show the result. (Note: After pressing “Read”, if the code in the Serial Blank is scrambled, please make a check in “Trans”.) 4. Click “Reset” to do the next unit or “Exit” to close the EDID program. PS. Both Analog and Digital are needed to be checked.	

Mechanical Disassembly & Reassembly

This section provides disassembly & Reassembly procedures for PD726 & PH730 DMD Projector. Before you begin any of these procedures, be sure to turn off the power, computer system, and other attached devices; then disconnect the power cable from the electrical outlet. Moreover, when you disassemble the projector, be sure to put the screws in a safe place and separate them according to their category.

Equipment Needed

Item	Photo	Item	Photo
Philips (+) : 107		**Philips (+) : 102**	
Philips (+) : 101		**Hex Screw : 5mm**	
Screw Bit : 6.0 X 100		**Side Cutter Pliers**	
Long Nose Pliers		**Tweezers**	
Hexagon Keys			

General Information

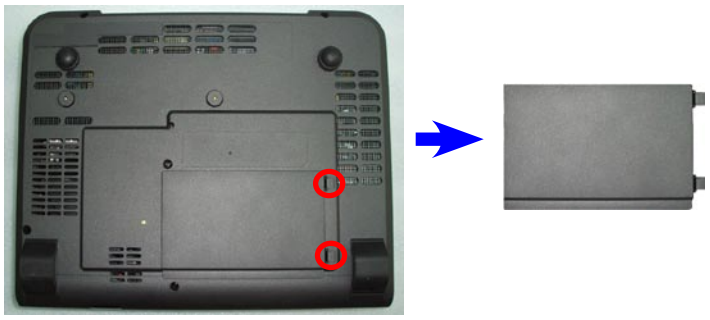
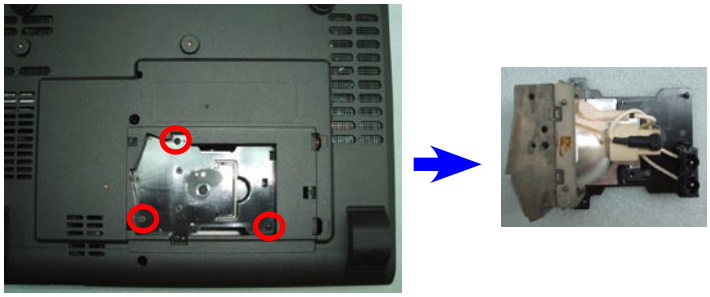
Before You Begin

Before proceeding with the disassembly procedure, make sure that you do the following procedures:

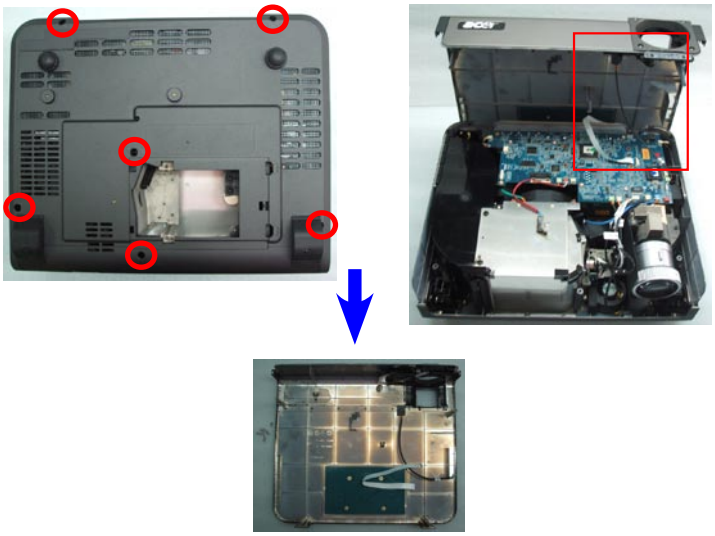
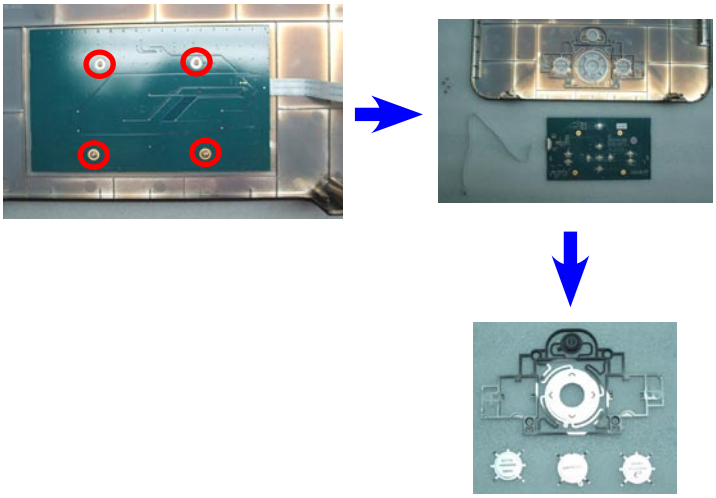
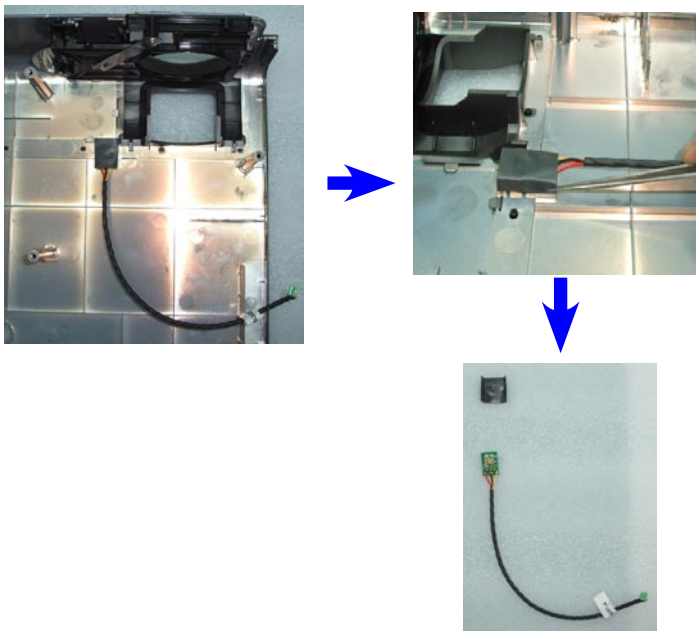
1. Turn off the power of the system and all the peripherals.
2. Unplug the AC adapter and all power and signal cables from the system.
3. Anti-static wrist strap.

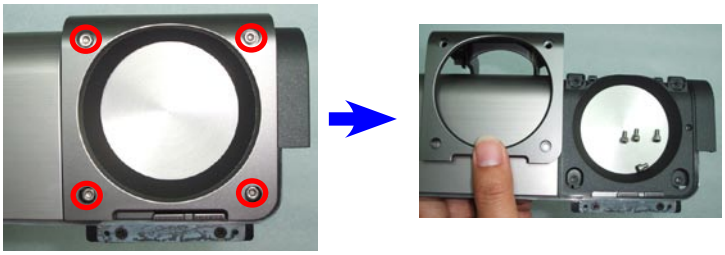
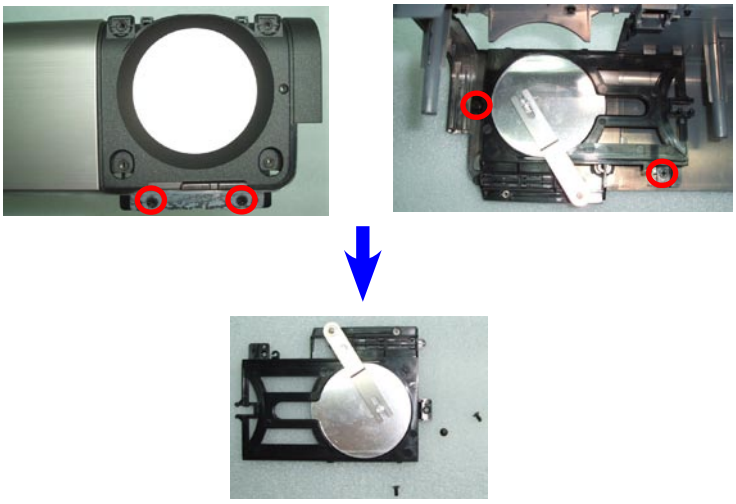
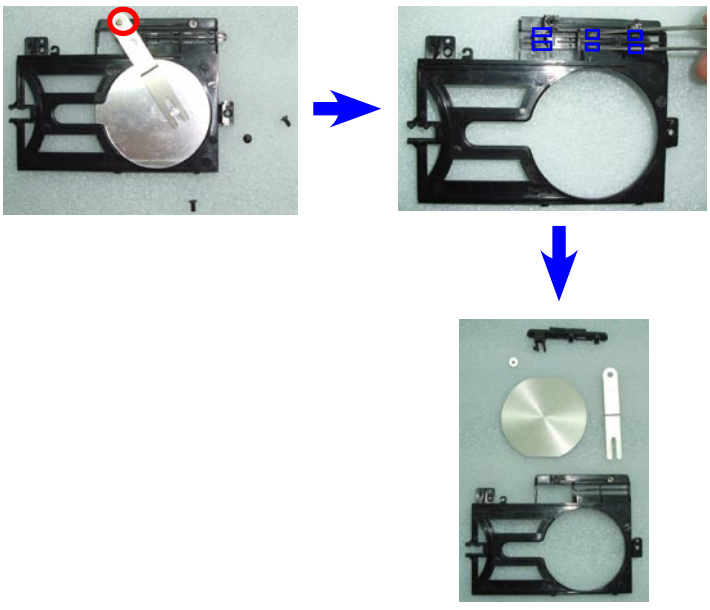
Mechanical Disassembly Procedure

1. Remove Lamp Module

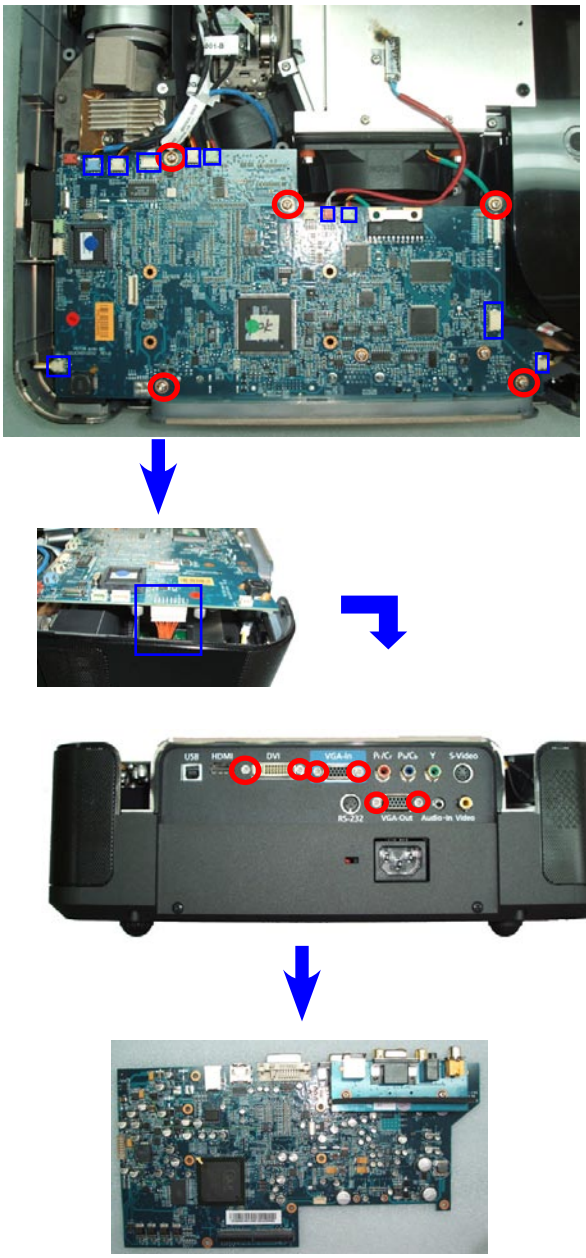
No	Procedure	Photo
1	Loosen 2 tenons to remove the Lamp Cover.	
2	Unscrew 3 screws to remove the Lamp Module.	

2. Remove and disassemble Top Cover Module

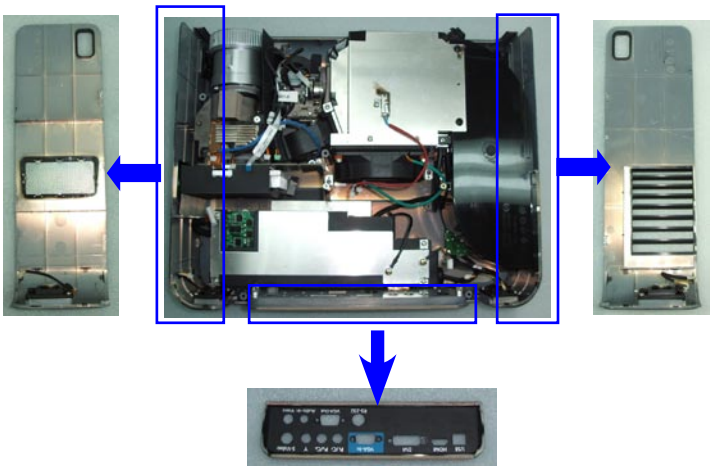
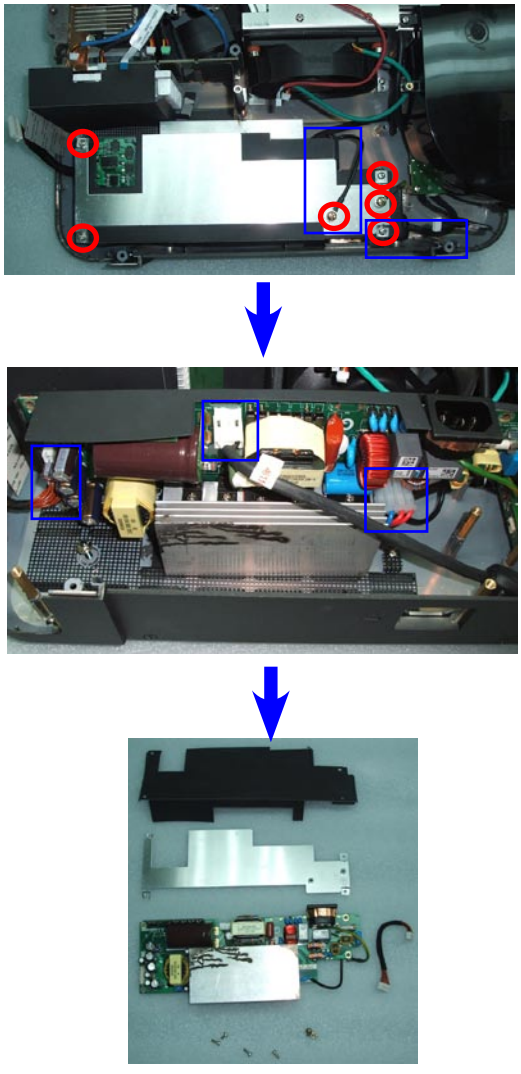
No	Procedure	Photo
1	Unscrew 6 screws in the Bottom Cover, then, unplug 1 IR Receiver wire and 1 FPC connector to remove Top Cover Module.	
2	Remove Keypad Board: (1) Unscrew 4 screw and unplug 1 FPC to remove the Keypad Board. (2) Separate all the keypad components.	
3	IR Receiver: Tear off the mylar to remove the IR Receiver directly.	

No	Procedure	Photo
4	Remove Assy Manual Lens Cap Module: (1) Remove 4 screws to remove the Lens Cap Module.	
	(2) Unscrew 2 screws in the front & 2 screws in the back to remove the Lens Cap.	
	(3) Unscrew 1 screw to disassemble the Lens Cap; then, loosen 6 tenons to separate the Lens Cap Module.	

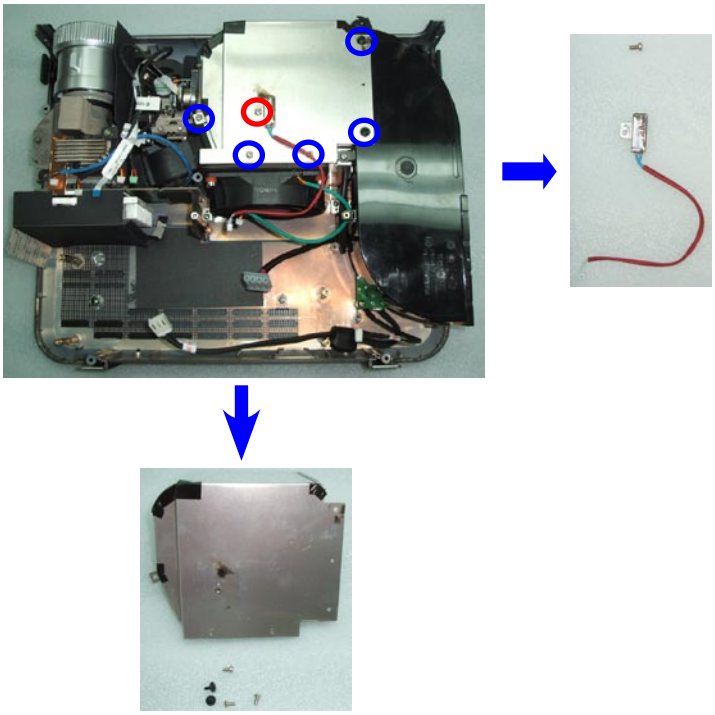
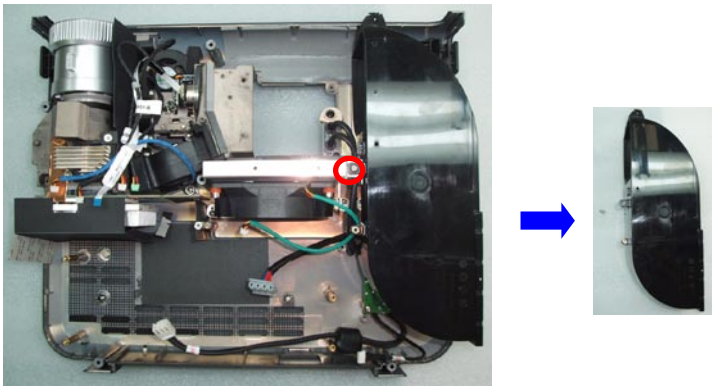
3. Remove Main Board & Audio Board

No	Procedure	Photo
1	Unscrew 5 screws, unplug 10 connectors and 1 connector in the Bottom; then, unscrew 6 hex screws to remove the Main Board & Audio Board.	

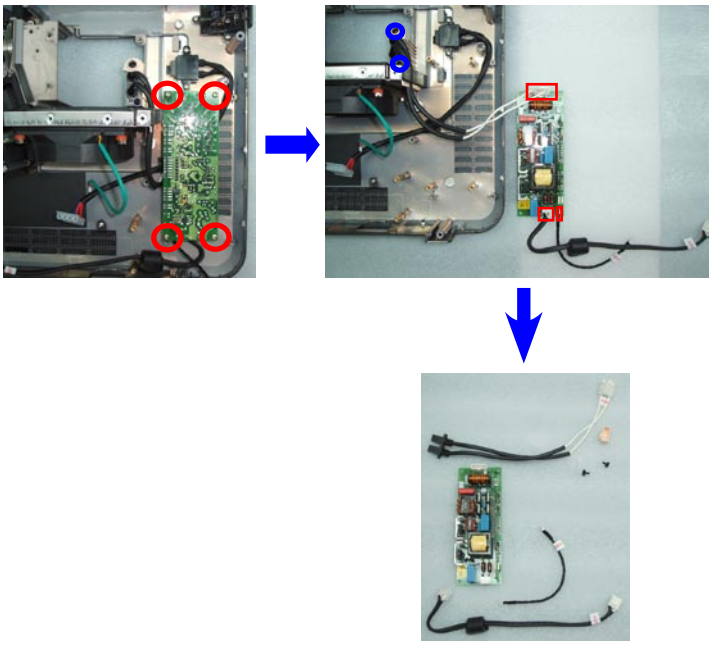
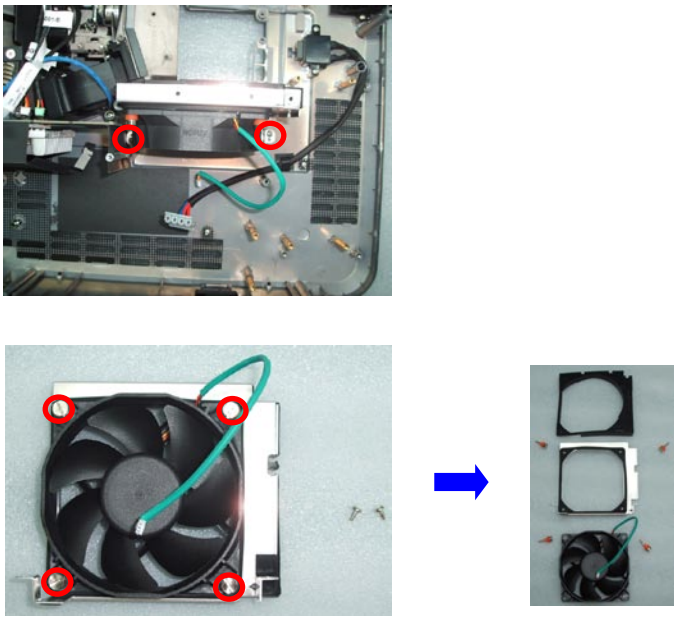
4. Remove IO Cover and Side Covers (Speakers) / LVPS

No	Procedure	Photo
1	Remove the IO Cover / Side Covers with Speakers directly. (Right Cover & Left Cover)	
2	Remove LVPS: (1) Unscrew 6 screws and unplug 2 wires (2) Unplug 3 connectors to remove the LVPS.	

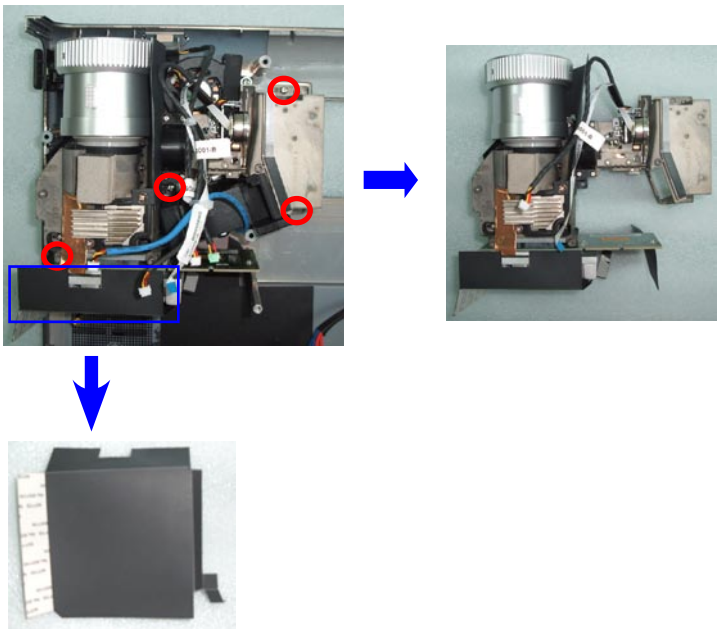
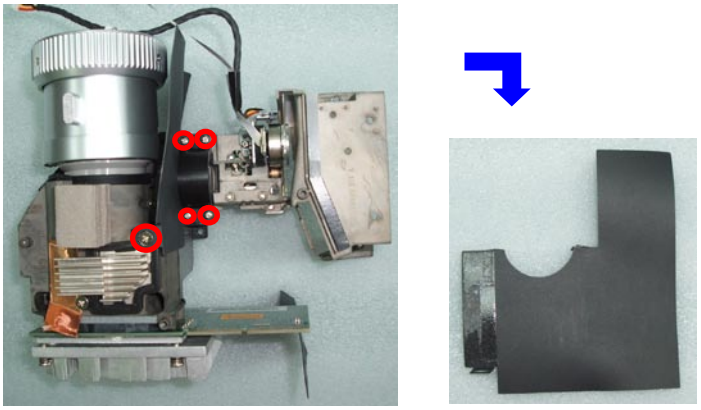
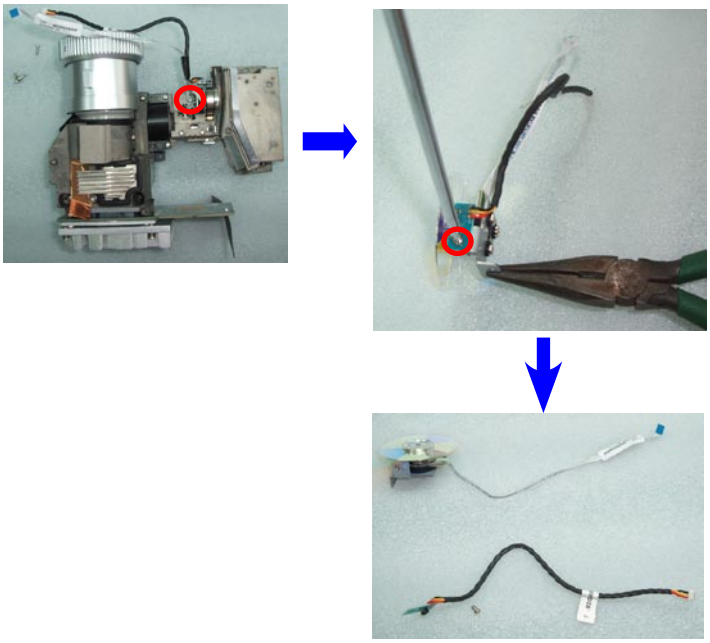
5. Remove Thermal Switch / Light Cut / Air Duct

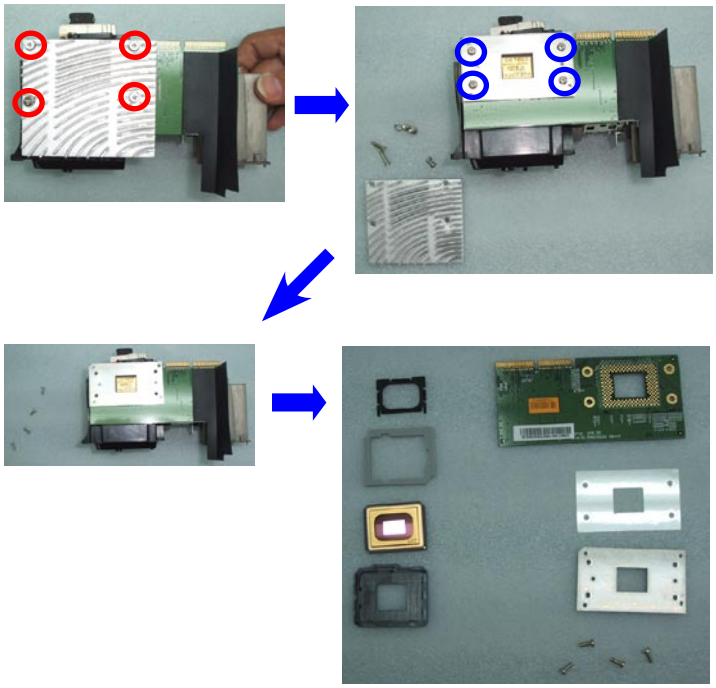
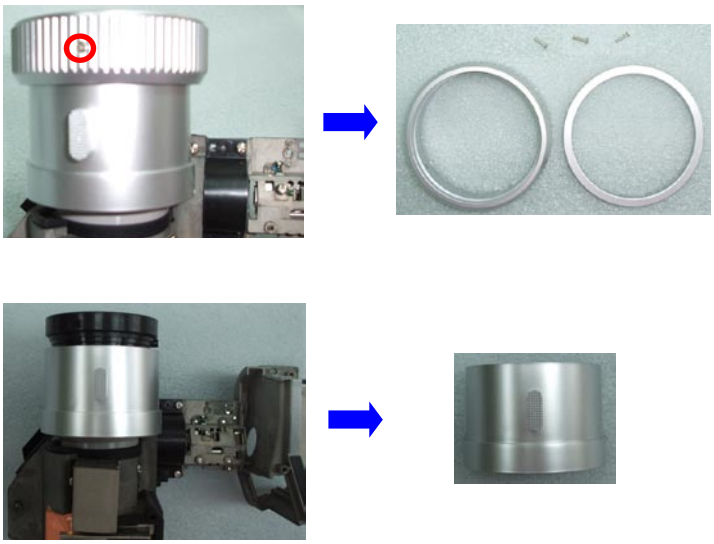
No	Procedure	Photo
1	(1) Unscrew 1 screw to remove the Thermal Switch. (2) Unscrew 5 screws to remove the Light Cut.	
2	Unscrew 1 screw to remove the Air Duct.	

6. Remove Lamp Driver / Fan

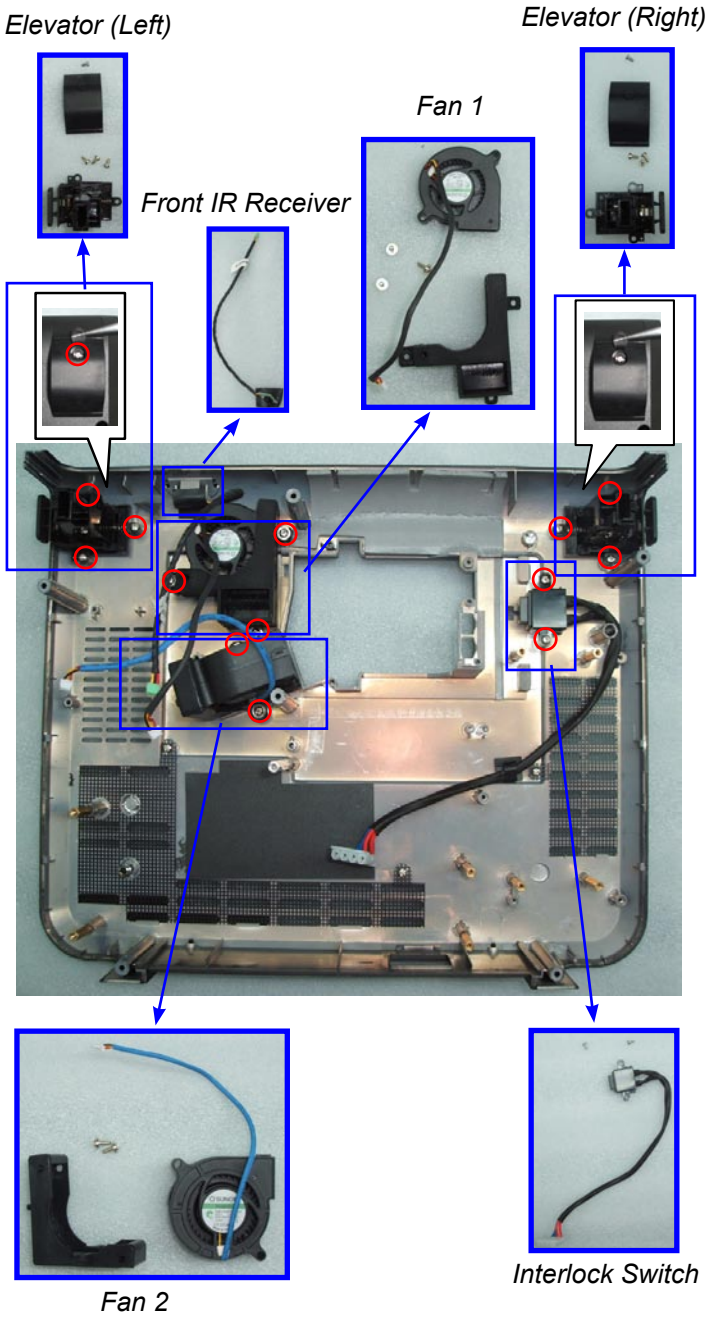
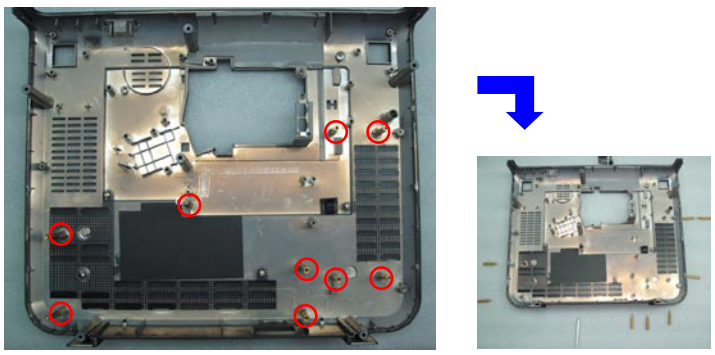
No	Procedure	Photo
1	Remove Lamp Driver: (1) Unscrew 4 screws (2) Unscrew 2 screws and unplug 3 connectors to remove the Lamp Driver.	
2	Remove Fan Module: (1) Unscrew 2 screws to remove the Fan Module. (2) Unscrew 4 screws to separate the Fan Module.	

7. Remove Engine Module

No	Procedure	Photo
1	(1) Unscrew 4 screws to remove the Engine Module. (2) Take off the Mylar on the DMD Board directly.	
2	Unscrew 5 screws to remove the Mylar.	
3	(1) Unscrew 1 screw to remove the Color Wheel. (2) Unscrew 1 screw to remove the Photosensor Board. Note: It is suggested to use the Long Nose Pliers to fasten one side of the Color Wheel (with the photosensor Board) and unscrew 1 screw to separate the Color Wheel and Photosensor Board.	

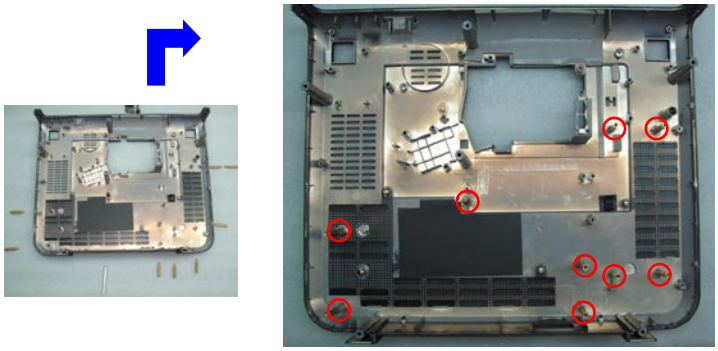
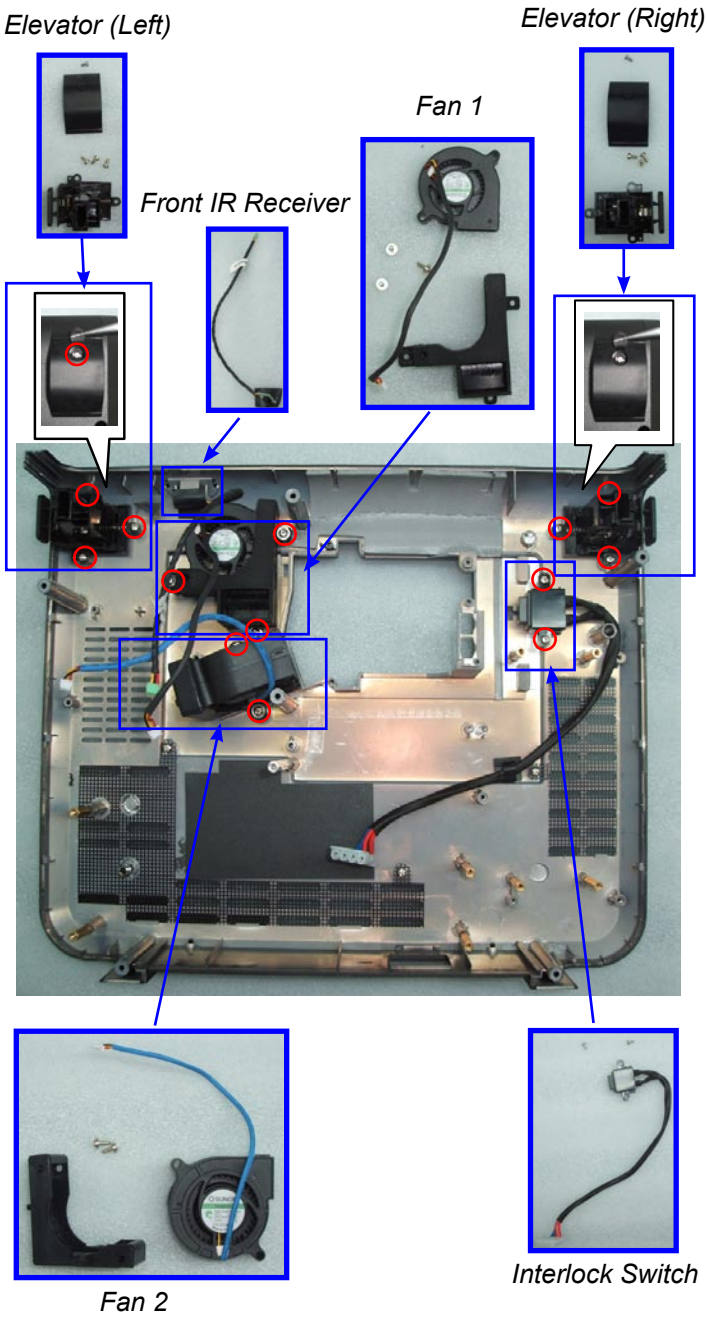
No	Procedure	Photo
4	(1) Unscrew 4 screws to remove the Heatsink. (2) Unscrew 4 screws to separate the DMD Board and disassemble the components.	
5	(1) Unscrew 3 screws to remove the Focus Ring. (2) Take the Zoom Ring off directly.	

8. Remove Bottom Cover

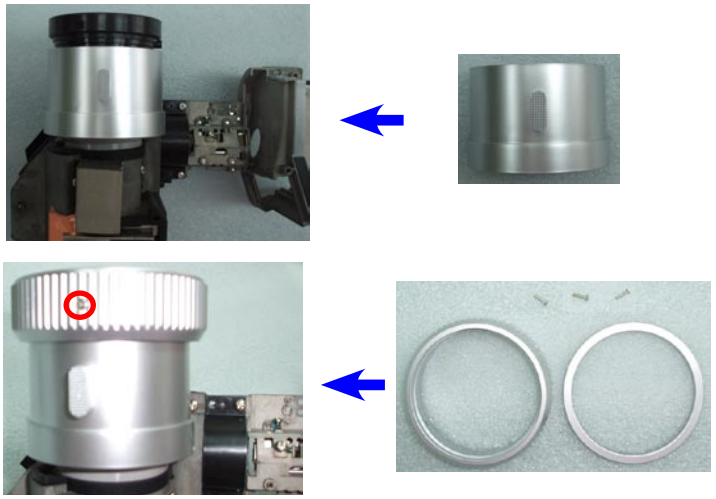
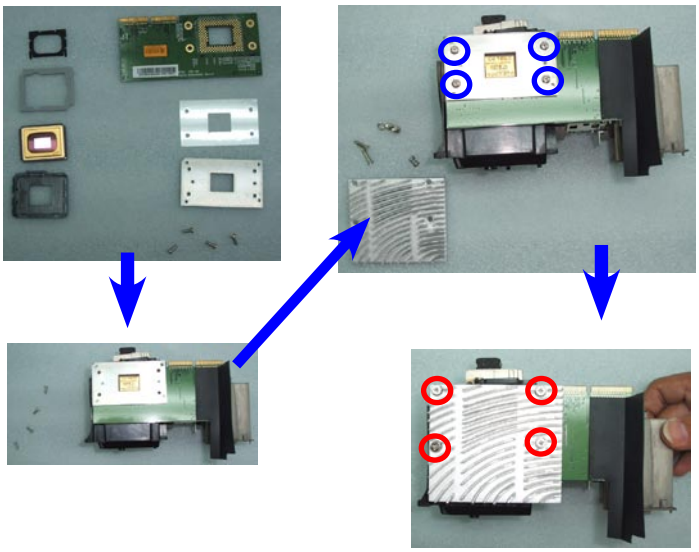
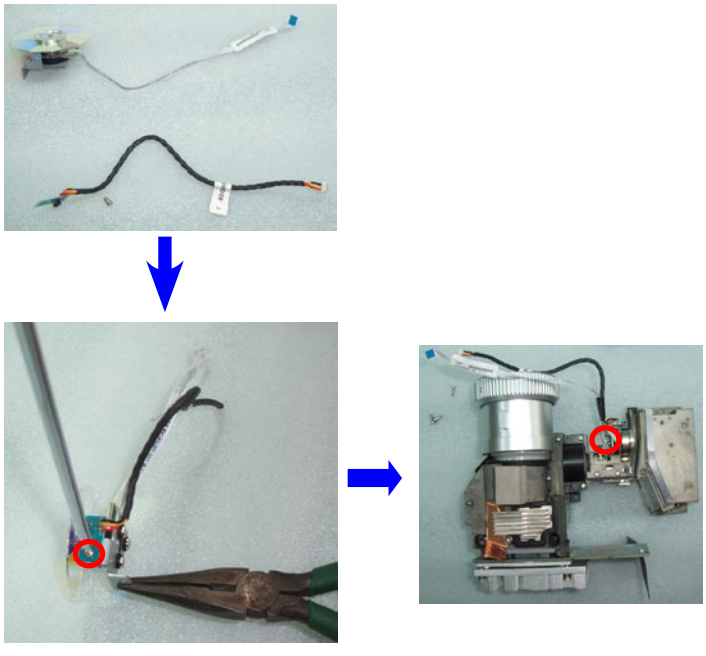
No	Procedure	Photo
1	(1) Unscrew 4 screws to remove the Elevator (Left). (2) Unscrew 4 screws to remove the Elevator (Right). (3) Tear off the Mylar and remove the Front IR Receiver directly. (4) Unscrew 3 screws to remove the Fan 1. (5) Unscrew 2 screws to remove the Fan 2. (6) Unscrew 2 screws to remove the Interlock Switch.	
2	Unscrew 9 hex spacers and separate them from the Bottom Cover.	

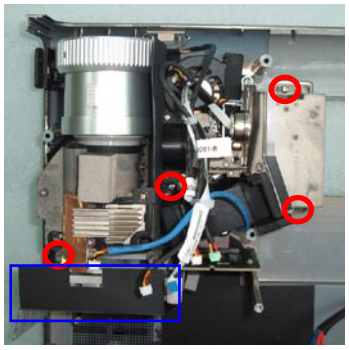
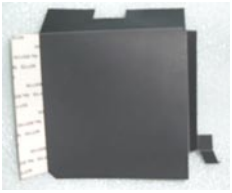
Mechanical Reassembly Procedure

1. Assemble Bottom Cover

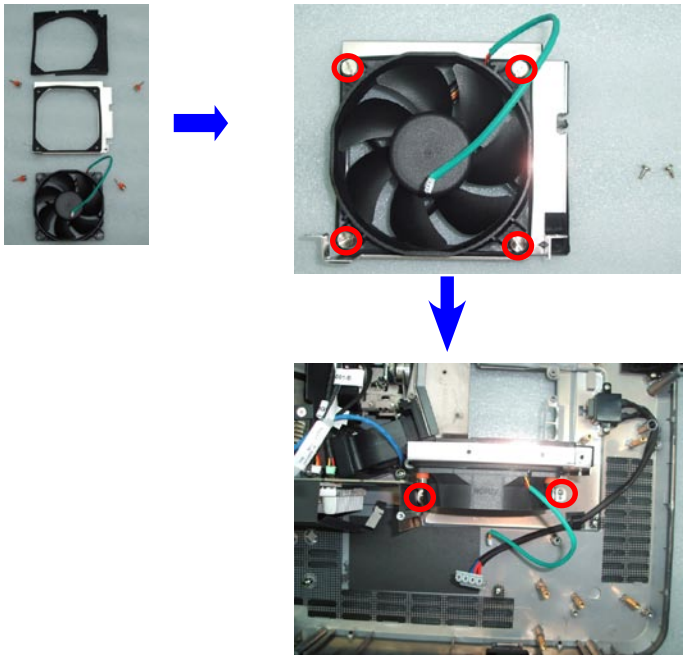
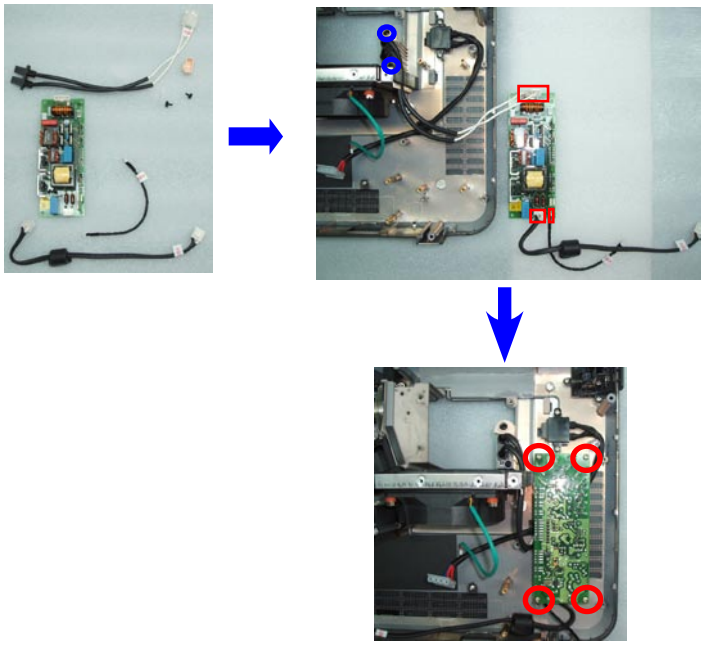
No	Procedure	Photo
1	Screw 9 hex spacers to the Bottom Cover.	
2	(1) Screw 4 screws to assemble the Elevator (Left). (2) Screw 4 screws to assemble the Elevator (Right). (3) Assemble the Front IR Receiver with the Mylar directly. (4) Screw 3 screws to assemble the Fan 1. (5) Screw 2 screws to assemble the Fan 2. (6) Screw 2 screws to assemble the Interlock Switch.	

2. Assemble Engine Module

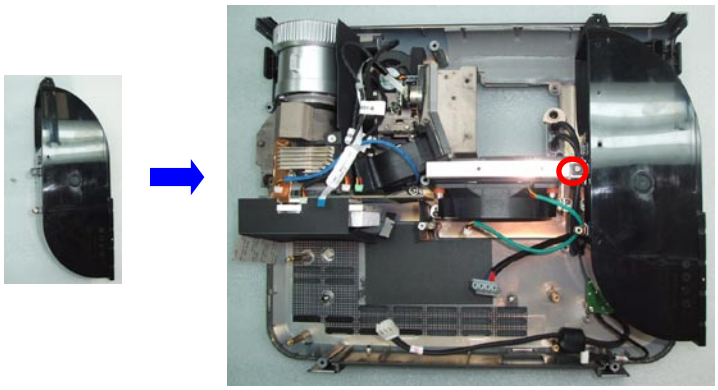
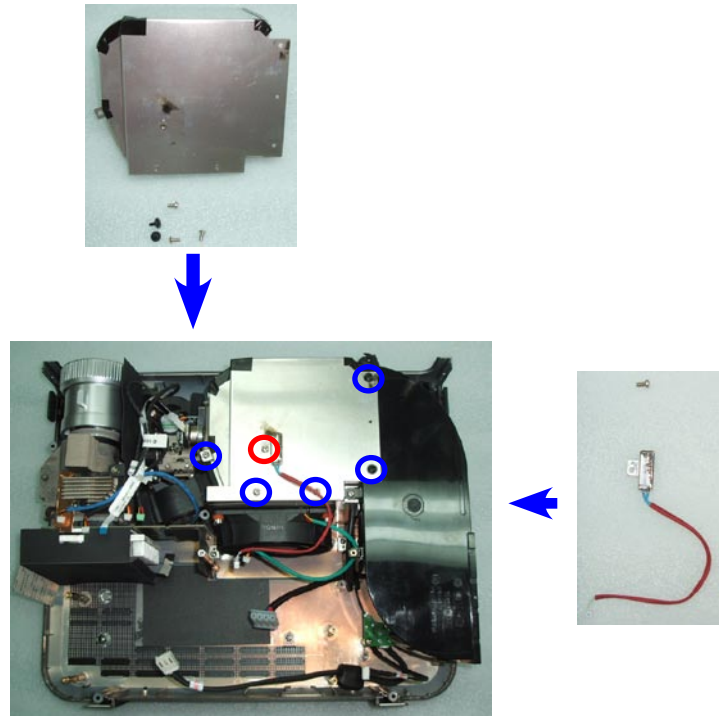
No	Procedure	Photo
1	(1) Assemble the Zoom Ring directly. (2) Screw 3 screws to assemble the Focus Ring.	
2	(1) Assemble all the components and screw 4 screws to assemble the DMD Board. (2) Screw 4 screws to assemble the Heatsink.	
3	(1) Screw 1 screw to assemble the Photosensor Board with the Color Wheel. (2) Screw 1 screw to assemble the Color Wheel.	

No	Procedure	Photo
4	Unscrew 5 screws to remove the Mylar.	
5	(1) Unscrew 4 screws to remove the Engine Module. (2) Take off the Mylar on the DMD Board directly.	 

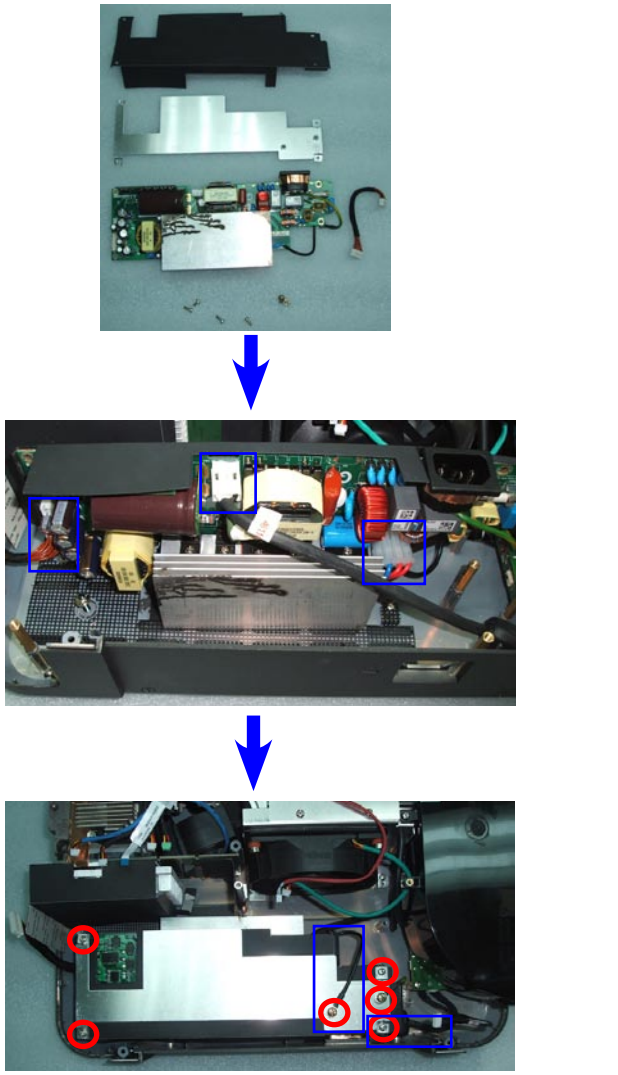
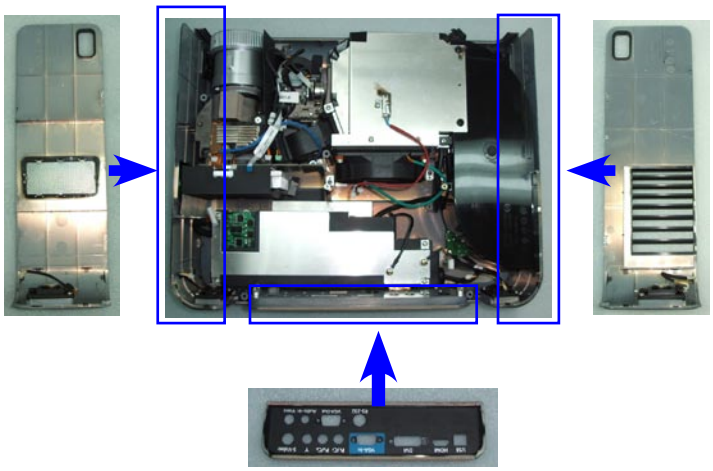
3. Assemble Fan / Lamp Driver

No	Procedure	Photo
1	Assemble Fan Module: (1) Screw 4 screws to assemble the Fan Module components. (2) Screw 2 screws to assemble the Fan Module.	
2	Assemble Lamp Driver: (1) Plug in 3 connectors and screw 2 screws. (2) Screw 4 screws to assemble the Lamp Driver.	

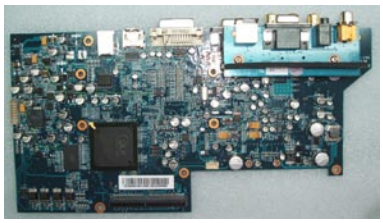
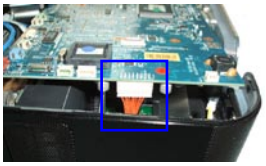
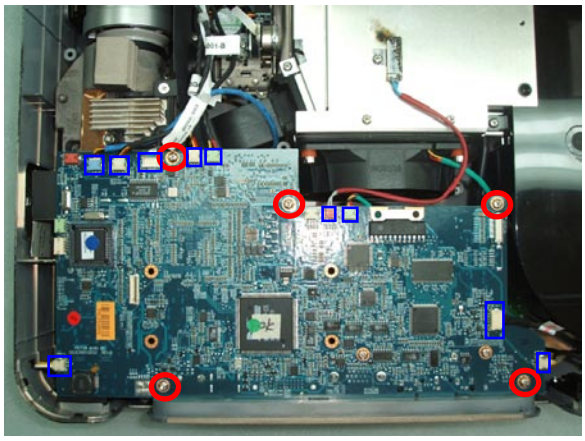
4. Assemble Air Duct / Light Cut / Thermal Switch

No	Procedure	Photo
1	Screw 1 screw to assemble the Air Duct.	
2	(1) Screw 5 screws to assemble the Light Cut. (1) Screw 1 screw to assemble the Thermal Switch.	

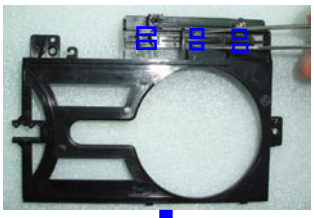
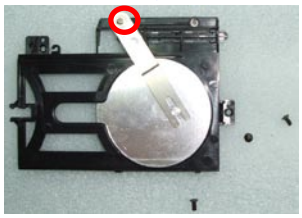
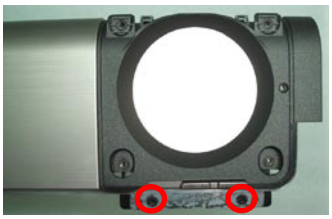
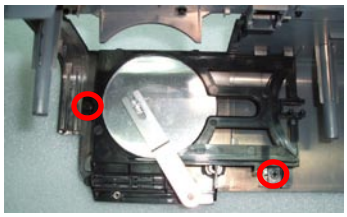
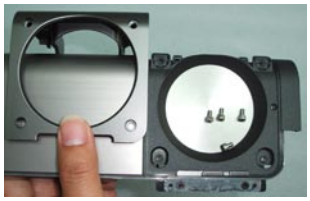
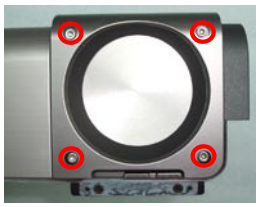
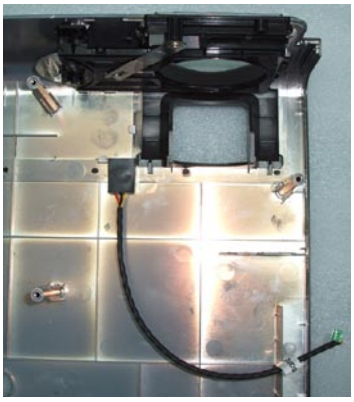
5. Assemble LVPS / IO Cover & Side Covers (Speakers)

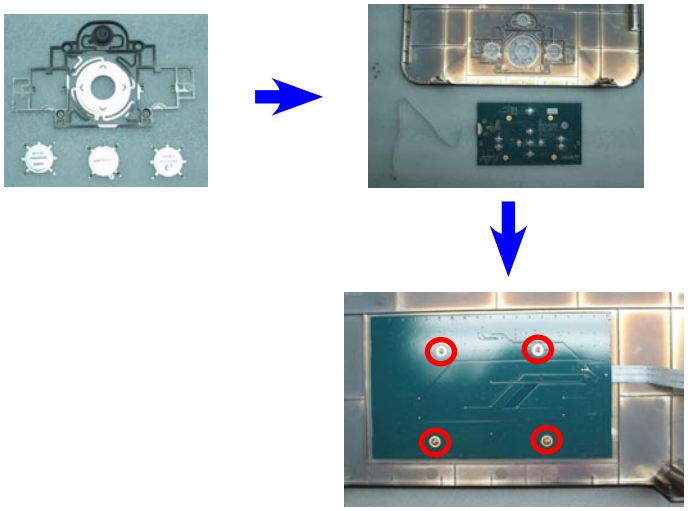
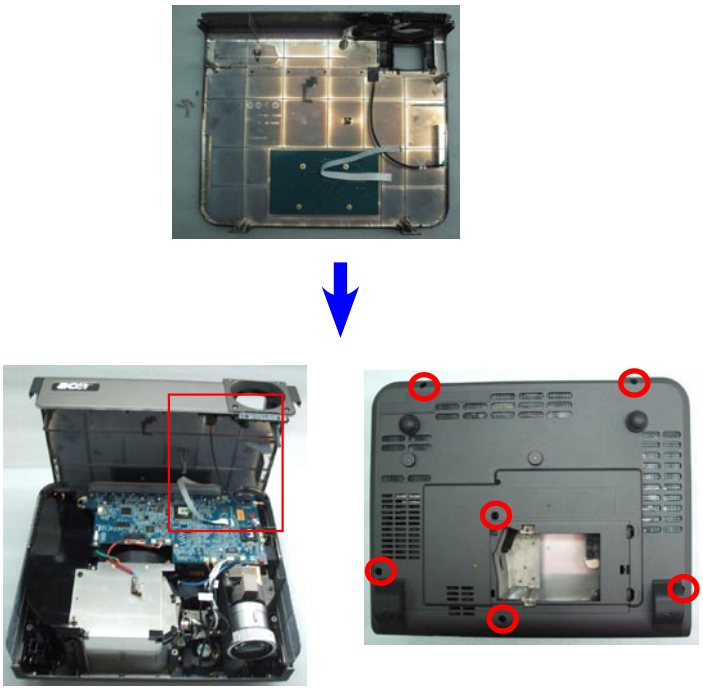
No	Procedure	Photo
2	Assemble LVPS: (1) Plug in 3 connectors. (2) Plug in 2 wires and screw 6 screws to assemble the LVPS.	
1	Assemble the IO Cover / Side Covers with Speakers directly. (Right Cover & Left Cover)	

6. Assemble Main Board & Audio Board

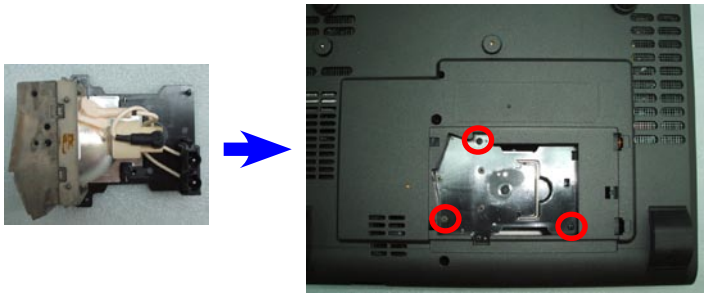
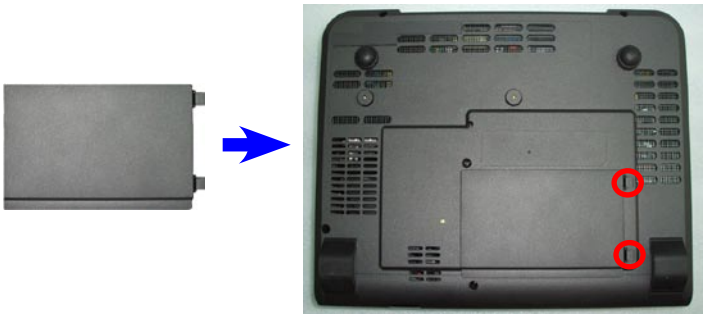
No	Procedure	Photo
1	Screw 6 hex screws in the Bottom Cover; then, plug in 10 connectors and 1 connector in the Bottom and screw 5 screws to assemble the Main Board & Audio Board.	  

7. Assemble Top Cover Module

No	Procedure	Photo
1	Assemble Assy Manual Lens Cap Module: (1) Fasten 6 tenons and screw 1 screw to assemble the Lens Cap. (2) Screw 2 screws in the front & 2 screws in the back to assemble the Lens Cap. (3) Screw 4 screws to assemble the Lens Cap Module.	     
2	IR Receiver: Put on the mylar to assemble the IR Receiver directly.	

No	Procedure	Photo
3	Assemble Keypad Board: (1) Assemble all the keypad components. (2) Plug in 1 FPCU and screw 4 screw to assemble the Keypad Board.	
4	Plug in 1 IR Receiver wire and 1 FPC connector; then, screw 6 screws in the Bottom Cover to assemble the Top Cover Module.	

8. Assemble Lamp Module

No	Procedure	Photo
1	Screw 3 screws to assemble the Lamp Module.	
2	Fasten 2 tenons to assemble the Lamp Cover.	

Troubleshooting

Equipment Needed

- PC or Pattern Generator
- DVD Player (Video, S-Video, Audio)
- Quantum Data 802B or CHROMA 2327

LED Lighting Message

Message	Lamp LED Red	Temp LED Red	Power LED orange
Power Plug	Flash ON to OFF 100ms	Flash ON to OFF 100ms	Flash ON to OFF 100ms
Standby	OFF	OFF	Blinking 1 sec ON / 1 sec OFF
Power button ON	OFF	OFF	ON
Power button OFF: Cooling State I	OFF	OFF	Blinking 0.5 sec ON/ 0.5 sec OFF
Power button OFF: Cooling state II	OFF	OFF	Blinking 1 sec ON / 1 sec OFF
Power button OFF: Cooling completed	OFF	OFF	Blinking 1 sec ON / 1 sec OFF (Fan Off)
Fan lock error OSD shows red “Projector Overheated”	OFF	0.5 sec On, 0.5 sec Off flashing for 30sec	OFF
Lamp error (Lamp, ballast)	ON	OFF	OFF
Color Wheel fail	ON	ON	OFF
BurnIn Lamp ON	OFF	OFF	ON
BurnIn Lamp OFF	OFF	OFF	Blinking 1 sec ON / 1 sec OFF
BurnIn Random delay time	ON	ON	OFF

**Power OFF:

(A) Cooling state I : Power orange LED blinking 0.5sec ON / 0.5sec OFF.

(B) Cooling state II : Power orange LED Blinking 1sec ON / 1sec OFF, But FAN ON.
(Can be powered ON via Power key during this state).

(C) Cooling complete : Power orange LED Blinking 1sec ON / 1sec OFF, FAN OFF.
(Entered StandBy Mode)

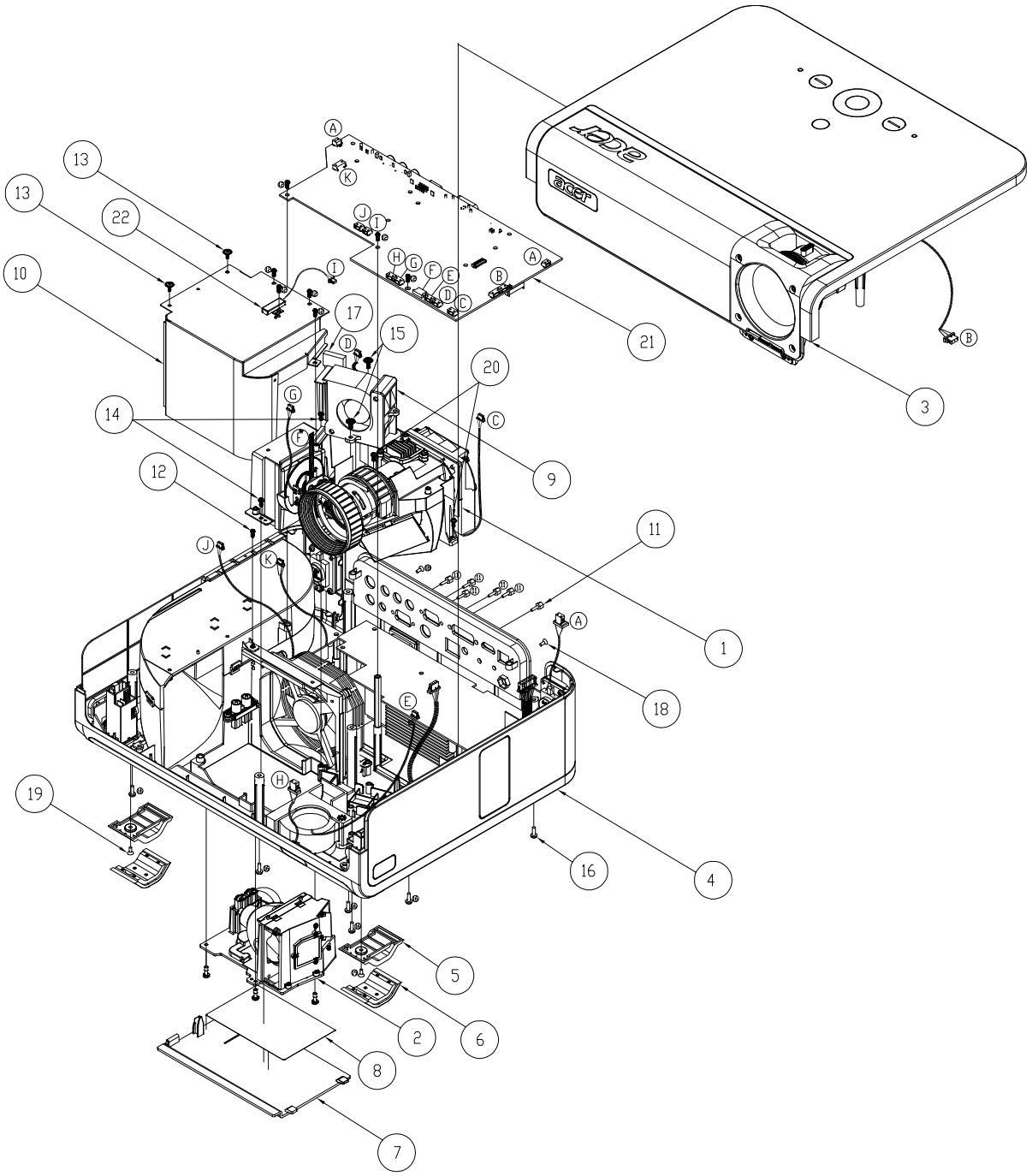
Main Procedure

No	Symptom	Procedure
1	No Power	- Ensure the Power Cord and AC Power Outlet are securely connected - Check Lamp Cover and Interrupt Switch - Ensure all connectors are securely connected and aren't broken - Check DC-DC - Check Ballast - Check Main Board
2	Auto Shut Down	- Check LED Status a. Lamp LED Light - Check Lamp - Check Lamp Driver - Check Main Board b. Temp LED Light - Check Thermal Sensor - Check Thermal Switch - Check Fan c. Color Wheel - Check Color Wheel - Check Photo Sensor d. No Power - Refer to "No Power" troubleshooting
3	No Image	- Ensure the Signal Cable and Source work as well (If you connect multiple sources at the same time, use the "Source" button on the control panel to swtich) - Ensure all connectors are securely connected and aren't broken - Check Main Board - Check DMD Board - Check Color Wheel - Check DMD Chip - Check Engine Module
4	No Light On	- Ensure all connectors are securely connected and aren't broken - Check Lamp Module - Check DC-DC - Check Ballast - Check Main Board
5	Mechanical Noise	- Check Color Wheel - Check Fan Module
6	Line Bar / Line Defect	- Sometimes it's because of the DMD Chip and the DMD Board did not assemble properly - Check DMD Board - Check DMD Chip - Check Main Board

No	Symptom	Procedure
7	Image Flicker	- Do “Reset” of the OSD Menu - Ensure the Signal Cable and Source work as well - Check Lamp Module - Check Color Wheel - Check DMD Board - Check Main Board
8	Color Abnormal	- Do “Reset” of the OSD Menu - Adjust Color Wheel Index - Check Main Board - Check DMD Board - Check Color Wheel
9	Poor Uniformity / Shadow	- Ensure the Projection Screen without dirt - Ensure the Projection Lens is clean - Ensure the Brightness is within spec. (Replace the Lamp if the Brightness is less than spec.) - Check Engine Module
10	Dead Pixel / Dust (Out of spec.)	- Ensure the Projection Screen without dirt - Ensure the Projection Lens is clean - Clean DMD Chip and Engine Module - Check DMD Chip - Check Engine Module
11	Garbage Image	- Ensure the Signal Cable and Source work as well - Check Main Board - Check DMD Board
12	Remote Controll or Control Panel Failed	- Remote Control a. Check Battery b. Check Remote Control c. IR Receiver - Control Panel a. Check FPC b. Check Keypad c. Check Main Board
13	Function Abnor-mal	- Do “Reset” of the OSD Menu - Check Main Board - Check DMD Board

Exploded Overview

EXPLODED OVERVIEW (D.C PD726)

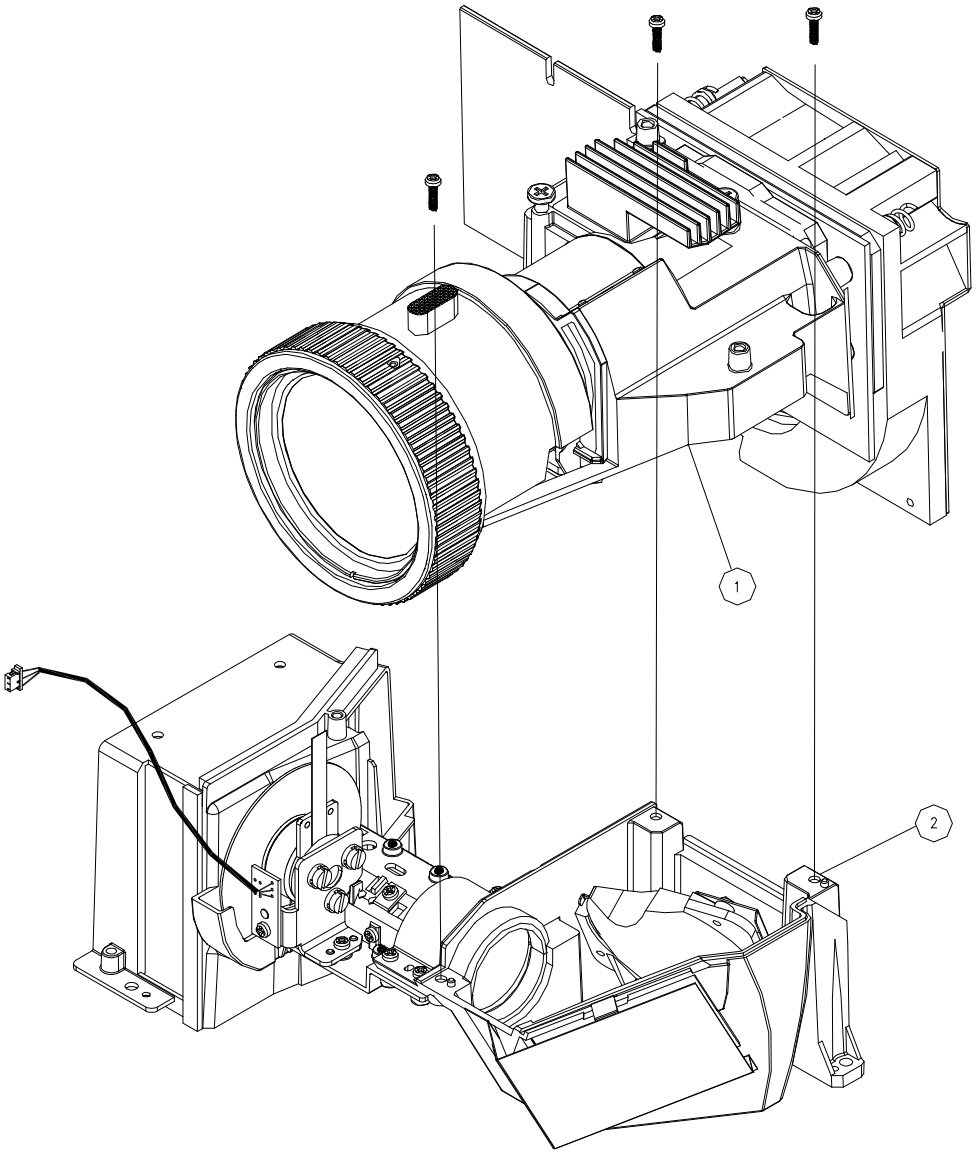


Exploded Parts List

Item	Part Number	Description
1	70.83N01G001	ASSY ENGINE MODULE PD726
2	70.83N07G001	ASSY LAMP CHANGER MODULE PD726
3	70.83N09G001	ASSY TOP COVER MODULE PD726
4	70.83N10G001	ASSY BOTTOM HOUSING MODULE PD726
5	51.83N11G001	ELEVATOR FOOT PC MN-3600H PD726
6	52.83N01G001	ELEVATOR FOOT SILICON RUBBER PD726
7	51.83N24G001	LAMP COVER PC MN-3600H PD726
8	61.89641G001	LAMP COVER AL FOIL 0.1t EP759/PD726
9	70.83N15G001	ASSY BLOWER FAN 60*25 MODULE PD726
10	75.83N09G001	ASSY FAN GUIDER COVER MODULE PD726
11	85.005AGG408	SCREW HEX I/O #4-40 H4*L8 NI NYLOK
12	85.1A123G060	SCREW PAN MECH M3*6 NI
13	85.TA326G070	SCREW CAP TAP M2.6*7 WASHER BLACK
14	85.WA123G060	SCREW PAN TAP M3*6 Ni
15	85.WD123G080	SCREW PAN TAP 3*8 W/WASHER Ni
16	85.1A123G080	PAN SCREW M3*8 FOR YM-64 FRONT CELL & SP
17	52.89611G001	DUCT RUBBER EP759/PD726
18	85.0A323G060	SCREW P/F MECH M3*6 BLACK
19	85.1A126G040	SCREW PAN MECH M2.6*4 Ni
20	85.WA123G080	SCREW PAN TAP M3*8 Ni
21	70.83N23G001	ASSY MAIN-BD MODULE PD726
22	43.87301G001	90c, TI THERMAL SWITCH

Note: Please refer to RSPL for updated Part Number.

ASSY ENGINE MODULE PD726

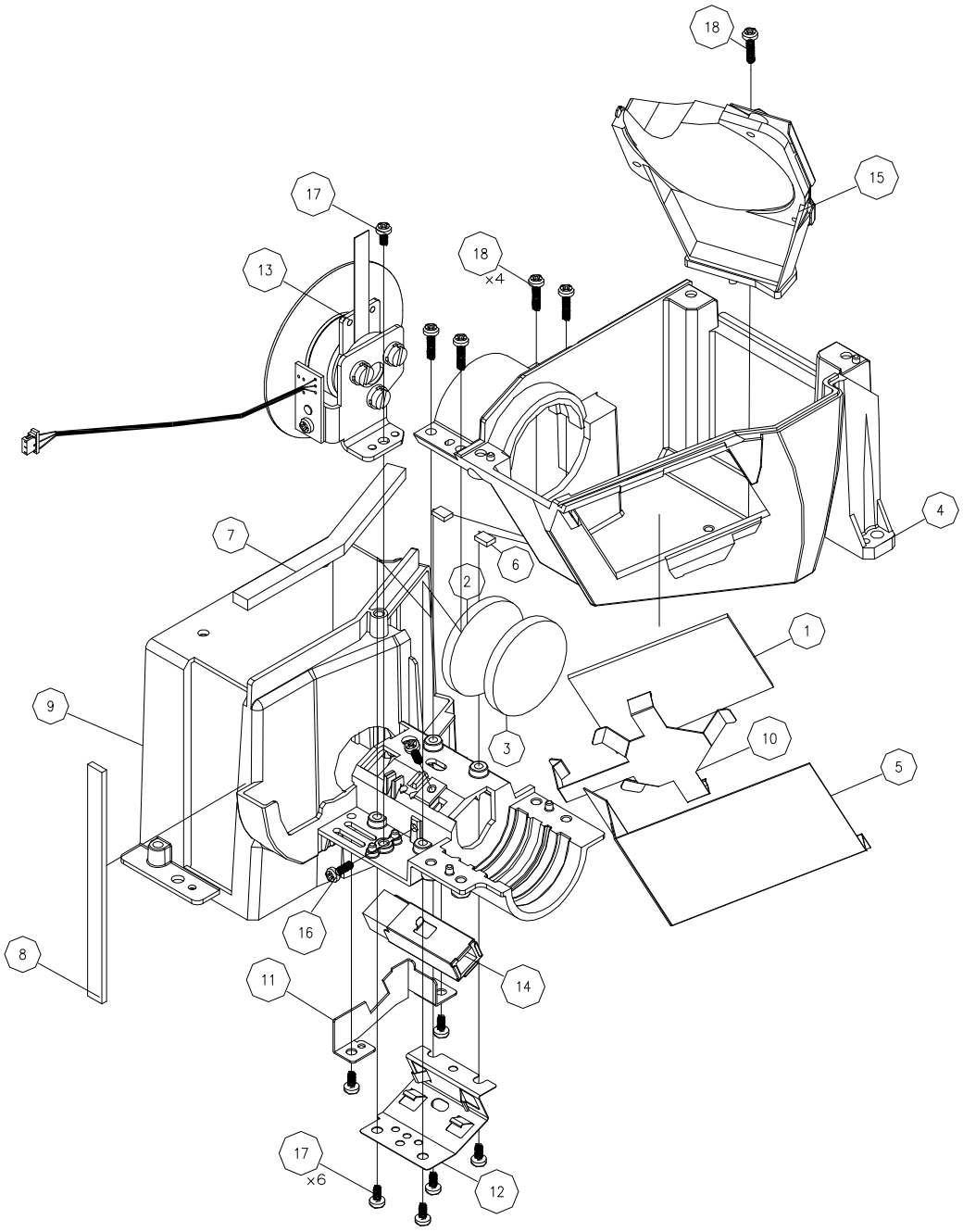


Exploded Parts List

Item	Part Number	Description
1	70.83N04G001	ASSY OPTICAL ENGINE MODULE PD726
2	70.83N02G001	ASSY ENGINE BASE MODULE PD726
3	85.1A126G080	SCREW PAN MECH M2.6*8 Ni

Note: Please refer to RSPL for updated Part Number.

ASSY ENGINE BASE MODULE PD726

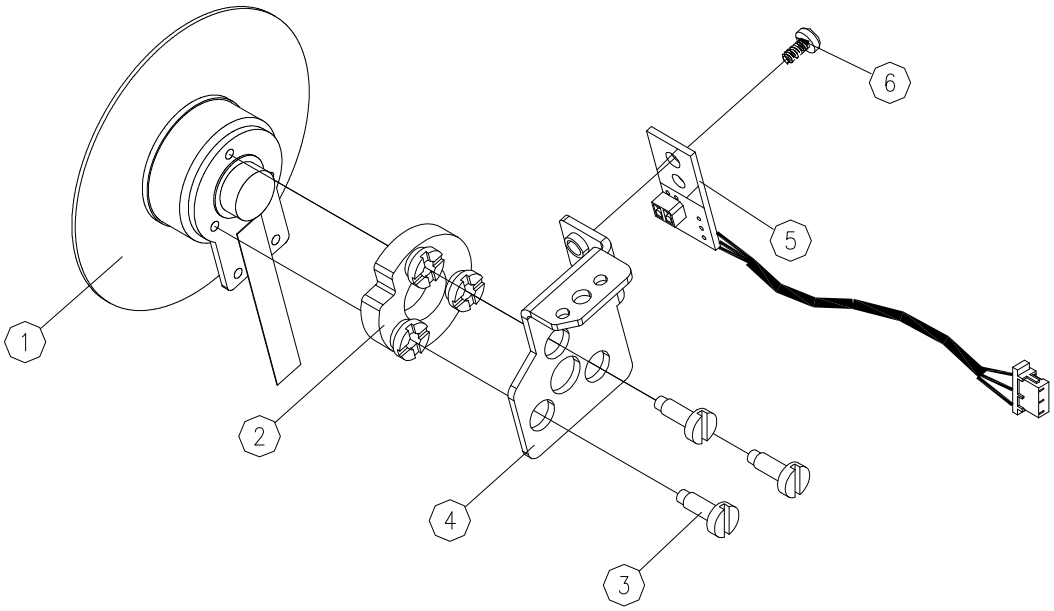


Exploded Parts List

Item	Part Number	Description
1	23.89602G001	POLYGON MIRROR (t1.1mm)
2	23.89620G001	CONDENSER 1 X26mm BK7 SPHERE
3	23.89620G002	CONDENSER 2 X26mm BK7 SPHERE
4	51.89614G001	ENGINE BASE BMC EP759/PD726
5	51.89637G001	ENGINE MIRROR ANTI LIGHT MYLAR EP759/PD726
6	52.85808G001	PORON-LENS BLACK XB31
7	52.89625G001	LAMP HOUSING STEAMTIGHT TOP F12 3.2t EP759/PD726
8	52.89626G001	LAMP HOUSING STEAMTIGHT SIDE F12 1.6t EP759/PD726
9	61.89602G001	LAMP HOUSING Mg ALLOY AZ91D EP759
10	61.89611G001	MIRROR SPRING PLATE SUS301 0.25t EP759/PD726
11	61.89617G001	ROD BRACKET AL 0.6t EP759/PD726
12	61.89621G001	ROD SPRING SUS301 0.25t EP759/PD726
13	70.83N03G001	ASSY COLOR WHEEL MODULE PD726
14	70.83N20G001	ASSY ROD MODULE PD726
15	70.83N21G001	ASSY RELAY LENS MODULE PD726
16	85.1A122G060	SCREW PAN MECH M2*6 Ni
17	85.1A126G040	SCREW PAN MECH M2.6*4 Ni
18	85.1A126G080	SCREW PAN MECH M2.6*8 Ni

Note: Please refer to RSPL for updated Part Number.

ASSY COLOR WHEEL MODULE PD726

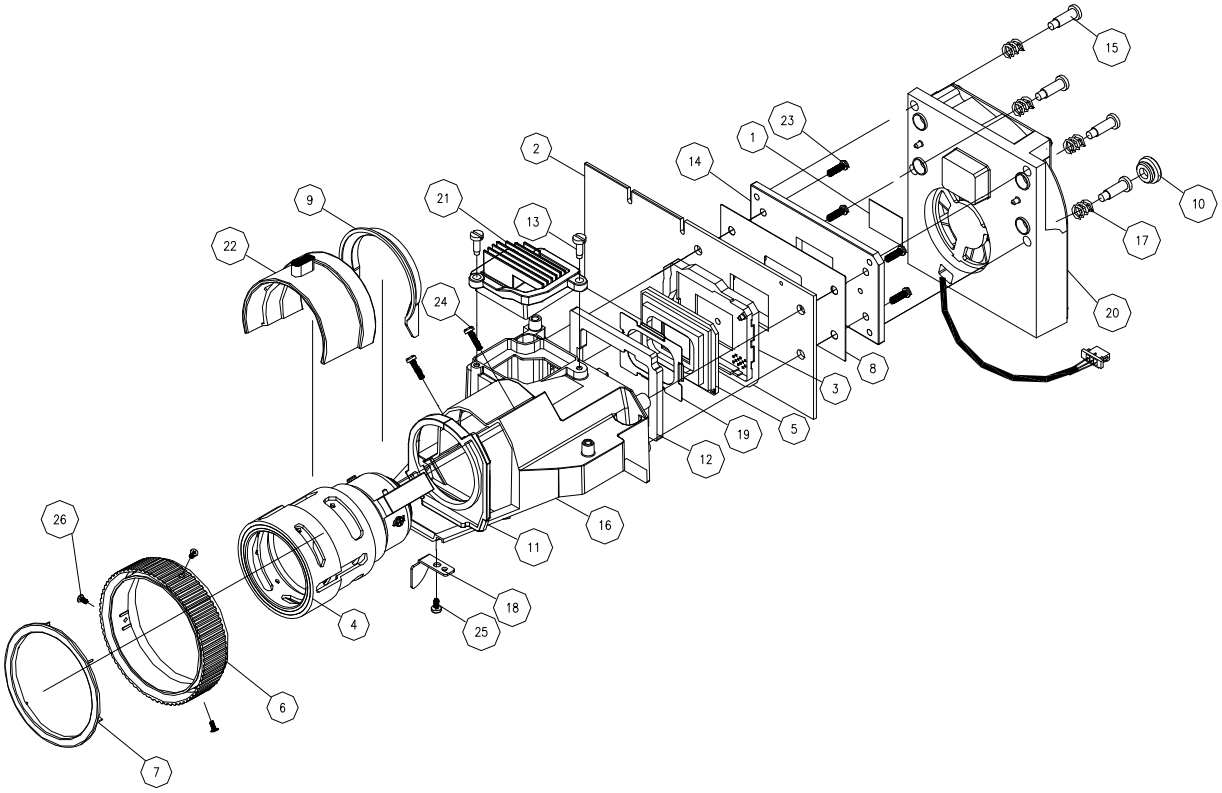


Exploded Parts List

Item	Part Number	Description
1	23.83N19G001	COLOR WHEEL X48mm R92/G83/W110/B75 SLEEVE BEARING CW; YO
2	52.89606G001	COLOR WHEEL RUBBER EP759/PD726
3	61.89511G001	COLOR WHEEL SCREW 4100MP " GREEN"
4	61.89608G001	COLOR WHEEL BRACKET SECC 1.2t EP759/PD726
5	80.83N06G001	PCBA PHOTO SENSOR BD PD726
6	85.1A126G040	SCREW PAN MECH M2.6*4 Ni

Note: Please refer to RSPL for updated Part Number.

ASSY OPTICAL ENGINE MODULE PD726

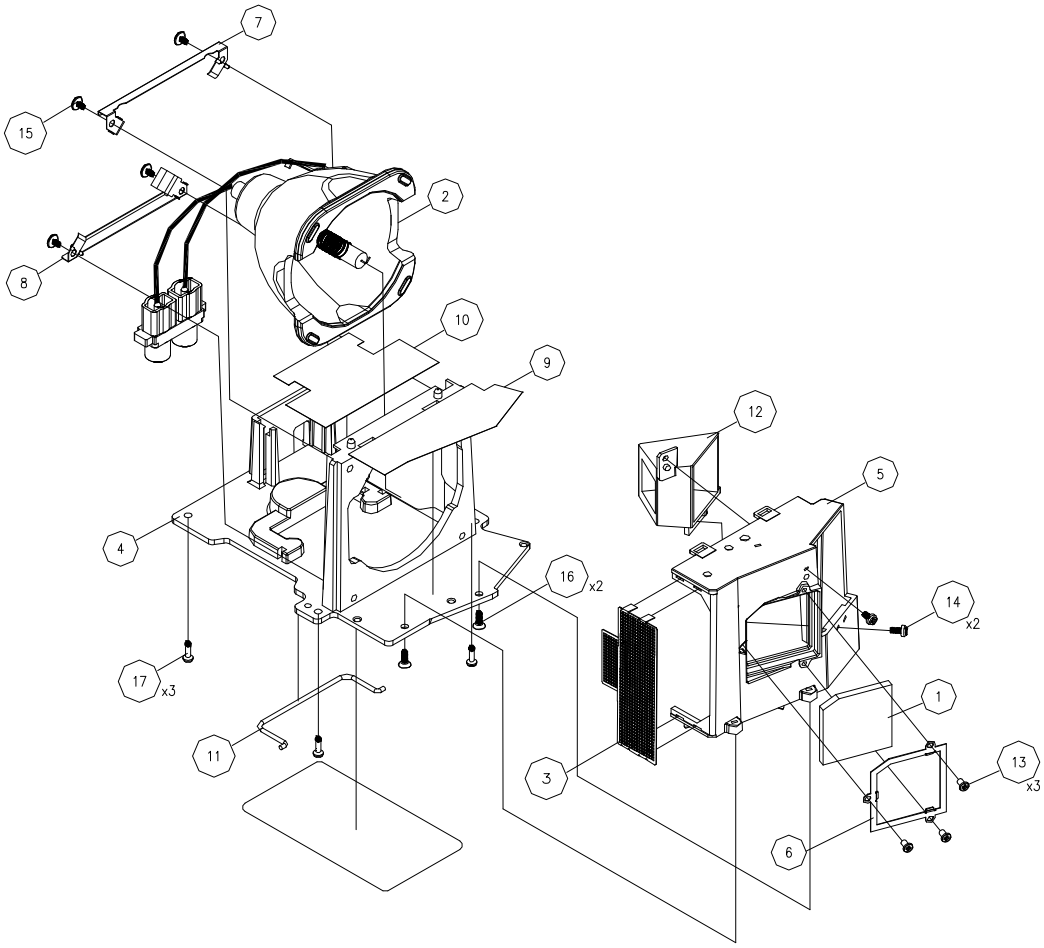


Exploded Parts List

Item	Part Number	Description
1	52.89633G001	THERMAL PAD FOR DMD HEAT SINK 17*13*0.3mm, Fujipoly GR-HM
2	00.83N02G001	BARE PCB L:8 DMD BD PD726
3	11.009F0G006	CNNT F 203P FOR 0.55" SVGA LGA DMD SOCKET;TELEDYNE "GREEN"
4	23.80J01G001	DLP 0.7"XGA ZOOM PROJECTION LENS
5	48.83N01G001	DMD 0.7 XGA 12X LVDS TYPE A
6	51.83N19G001	FOCUS RING PD726
7	51.83N22G001	FOCUS RING COVER PD726
8	51.89627G001	DMD INSULATION MYLAR EP759/PD726
9	51.89628G001	ZOOM STOP RING PC+ABS C6200 EP759/PD726
10	52.87110G001	RUBBER CAP RUBBER PD726
11	52.89613G001	ENGINE SEAL RUBBER EP759/PD726
12	52.89627G001	DMD SEAL RUBBER F12 3.2t EP759
13	61.85926G001	COLOR WHEEL SHOULDER SCREW SB21
14	61.89605G001	DMD BACKER PLATE AL 3.0t EP759/PD726
15	61.89626G001	HEATSINK SCREW EP759
16	61.89627G011	ENGINE COVER AZ91D EP759/PD726 "FOXCONN"
17	61.89630G001	HEATSINK SPRING EP759/PD726
18	61.89631G001	MASK BRACKET AL 0.8t EP759/PD726
19	61.89643G001	DMD MASK PLATE SUS301 0.15t EP759
20	70.83N05G001	ASSY DMD HEATSINK MODULE PD726
21	70.81N35G001	ASSY OFFRAY HEATSINK MODULE PD725P/PD723P/PD726
22	75.83N02G001	ASSY ZOOM RING MODULE PD726
23	85.1A123G080	PAN SCREW M3*8 FOR YM-64 FRONT CELL & SP
24	85.1A126G080	SCREW PAN MECH M2.6*8 Ni
25	85.1A626G040	SCREW PAN MECH M2.6*4 BLACK NYLOK
26	85.4A121G080	SCREW FLAT HEAD TAP M1.7*8 Ni BLACK

Note: Please refer to RSPL for updated Part Number.

ASSY LAMP CHANGER MODULE PD726

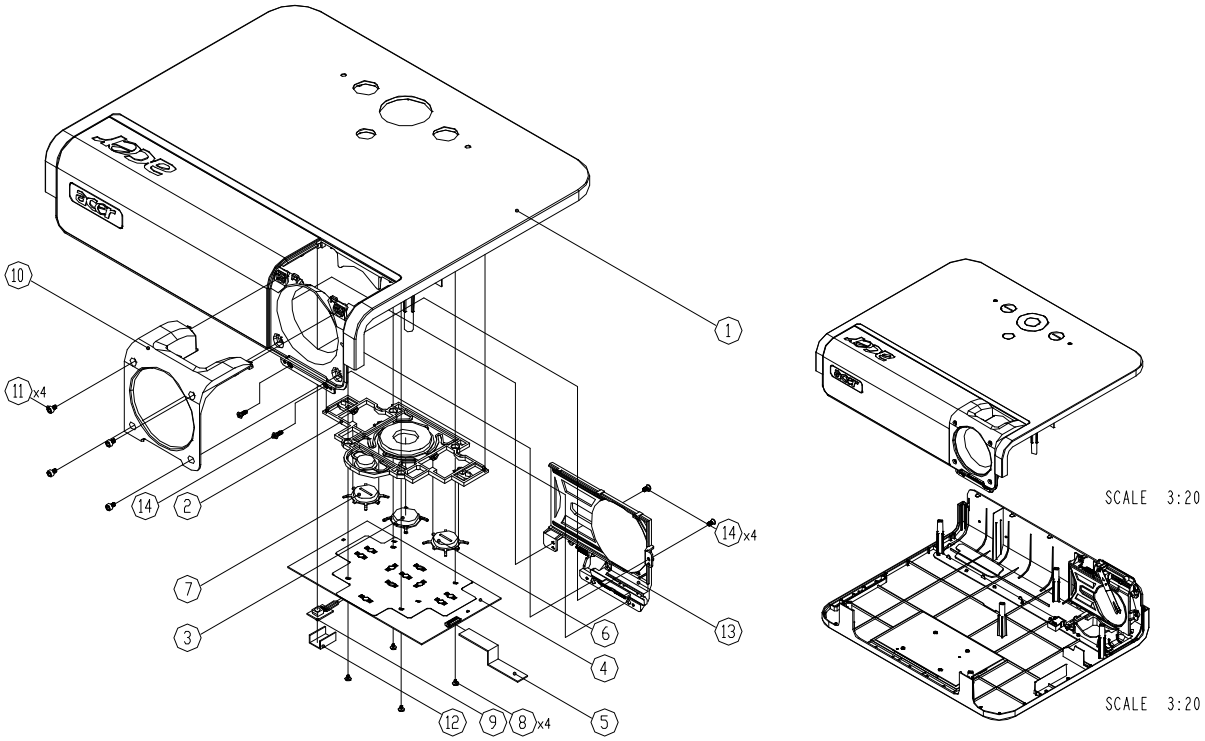


Exploded Parts List

Item	Part Number	Description
1	23.89610G002	BOROFLOAT UV-IR SQUARE t2.75mm
2	23.83N15G001	OSRAM LAMP E21.8 1.3mm ARC 300W G2
3	61.89633G001	LAMP MECH GREEN EP759/PD726
4	51.89621G012	LAMP CHANGER TILT 20 PPS+40%GF EP759/PD726
5	61.89603G021	LAMP MESH HOLDER TILT 20 AZ91D EP759/PD726 - FOXCONN
6	61.89606G001	UV-IR BRACKET SPRING SUS301 0.3t EP759/PD726
7	61.89618G002	LAMP CLIP HOLDER SUS301 0.25t EP759/PD726
8	61.89619G001	LAMP CLIP PUSH SUS301 0.25t EP759/PD726
9	61.89636G001	LAMP CHANGER AL FOIL FRONT EP759/PD726
10	61.89637G001	LAMP CHANGER AL FOIL BACK EP759/PD726
11	61.89639G001	LAMP EXCHANGE HANDLER FOR EP759
12	61.83N04G001	BLOWER DUCT-1 PD726
13	85.0A122G030	SCREW DOUBLE FLAT MECH M2*3Ni
14	85.1A122G040	SCREW PAN MECH M2*4 Ni
15	85.1A122G050	SCREW PAN MECH M2*5 Ni
16	85.4A326G060	SCREW FLAT MECH M2.6*6 BLACK
17	61.00018G002	LOCK SCREW PAN MECH M3*8.5-3.5 BLACK

Note: Please refer to RSPL for updated Part Number.

ASSY TOP COVER MODULE PD726

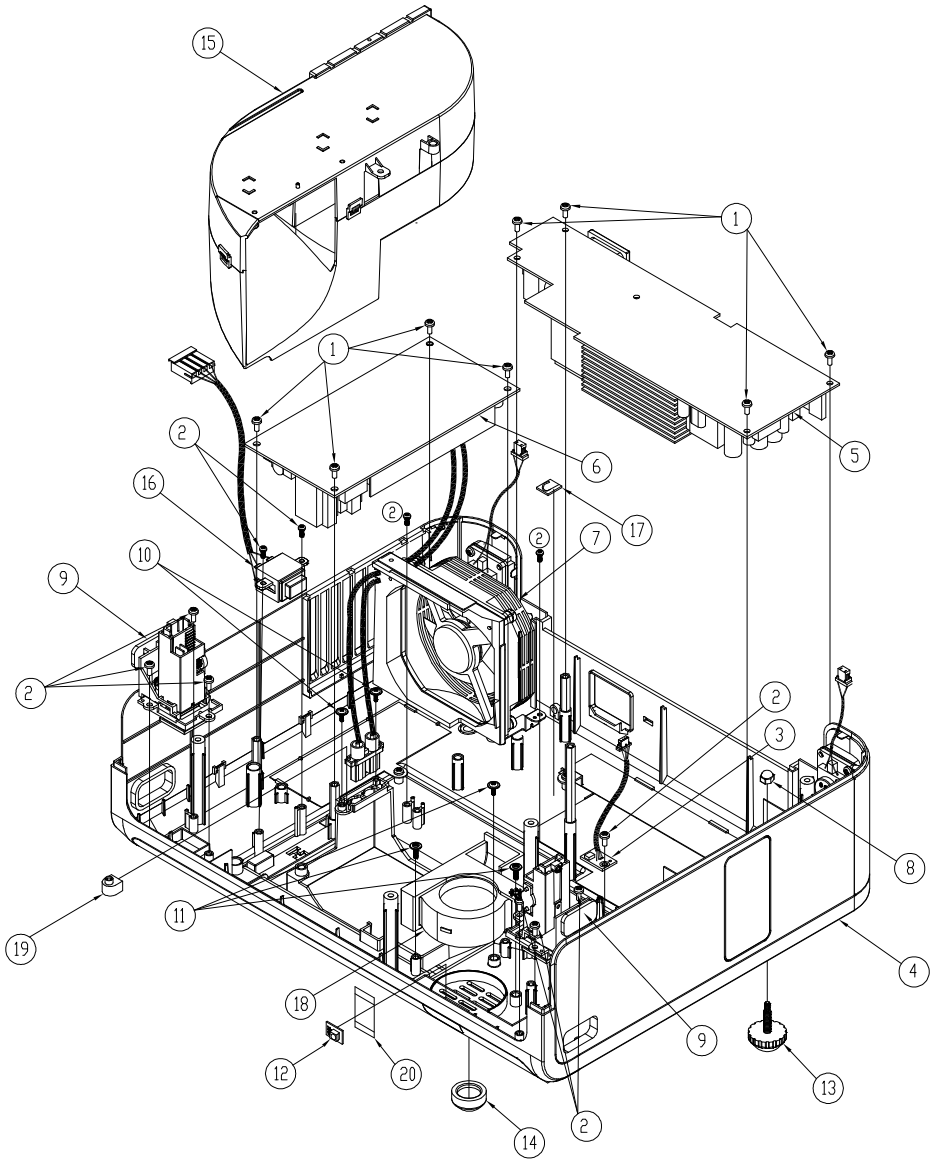


Exploded Parts List

Item	Part Number	Description
1	75.83N03G001	ASSY TOP COVER PD726
2	51.83N03G001	KEYPAD MAIN BUTTON PC PD726
3	51.83N04G001	KEYPAD MIDDLE BUTTON PC PD726
4	80.83N04G001	PCBA KEY BOARD ASSY PD726
5	42.83N01G001	CABLE FFC 20P 0.5mm L=100mm PD726
6	51.83N23G001	KEYPAD RIGHT BUTTON PC PD726
7	51.83N23G002	KEYPAD LEFT BUTTON PC PD726
8	85.1D122G030	SCREW PAN MECH M2*3 Ni(W/WSHER X5.0)
9	80.83N05G001	PCBA IR SENSOR BOARD FOR PD726
10	51.83N02G001	LENS AREA COVER PC MN-3600H PD726
11	85.C0023G050	SCREW INNER HEXAGON SUS M3*L5 PD726
12	51.82U06G001	SUNSHAD FOR FRONT IR FRPP 0.125t TDP-P8
13	70.83N22G001	ASSY MANUAL LENS CAP MODULE PD726
14	85.4A326G060	SCREW FLAT MECH M2.6*6 BLACK

Note: Please refer to RSPL for updated Part Number.

ASSY BOTTOM HOUSING MODULE PD726

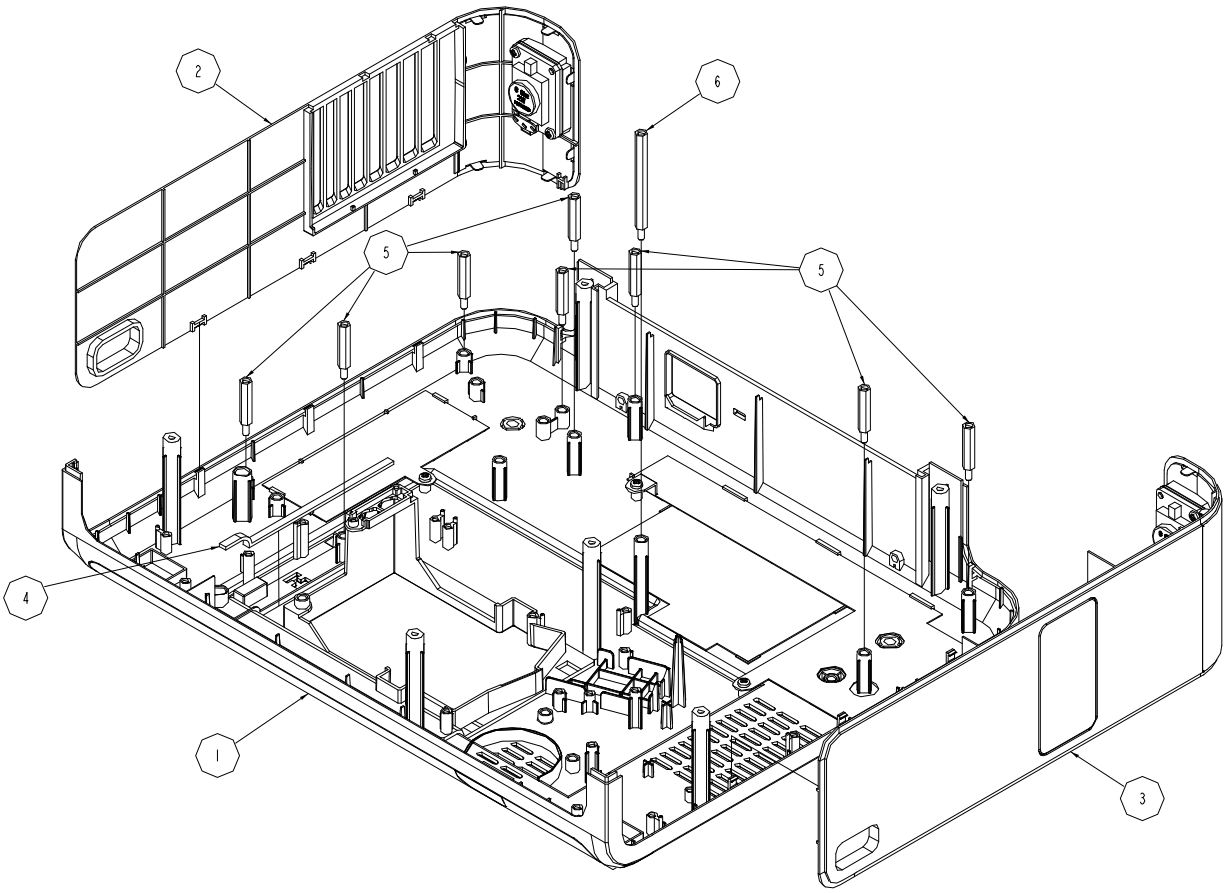


Exploded Parts List

Item	Part Number	Description
1	85.1A123G060	SCREW PAN MECH M3*6 NI
2	85.WA123G060	SCREW PAN TAP M3*6 Ni
3	80.83405G001	PCBA THERMAL SENSOR BD EzPro 730/735 ID=90
4	70.83N11G001	ASSY BOTTOM COVER MODULE PD726
5	70.83N12G001	ASSY LVPS MODULE PD726
6	70.83N13G001	ASSY LAMP DRIVER MODULE PD726
7	70.83N14G001	ASSY AXIAL FAN 92*25 MODULE PD726
8	86.03123G035	HEX CAP HEAD NUT M3*0.5P L3.5
9	75.83N05G001	ASSY PRE ELEVATOR MODULE PD726
10	85.TA326G070	SCREW CAP TAP M2.6*7 WASHER BLACK
11	85.WD123G080	SCREW PAN TAP 3*8 W/WASHER Ni
12	80.83N05G001	PCBA IR SENSOR BOARD FOR PD72
13	52.89601G001	ADJUST FOOT RUBBER EP910
14	52.89605G001	REAR FOOT RUBBER EP759/PD726
15	75.83N06G001	ASSY WIND TUNNEL MODULE PD726
16	70.83N16G001	ASSY INTERRUPT SWITCH MODULE PD726
17	51.00075G001	WIRE MOUNTS PG-FW-4D PD120
18	70.83N17G001	ASSY BLOWER FAN 50*20 MODULE PD726
19	52.89631G002	LAMP TO BTM INSULATOR RUBBER EP759/PD726
20	51.82U06G001	SUNSHAD FOR FRONT IR FRPP 0.125t TDP-P8

Note: Please refer to RSPL for updated Part Number.

ASSY BOTTOM COVER MODULE PD726

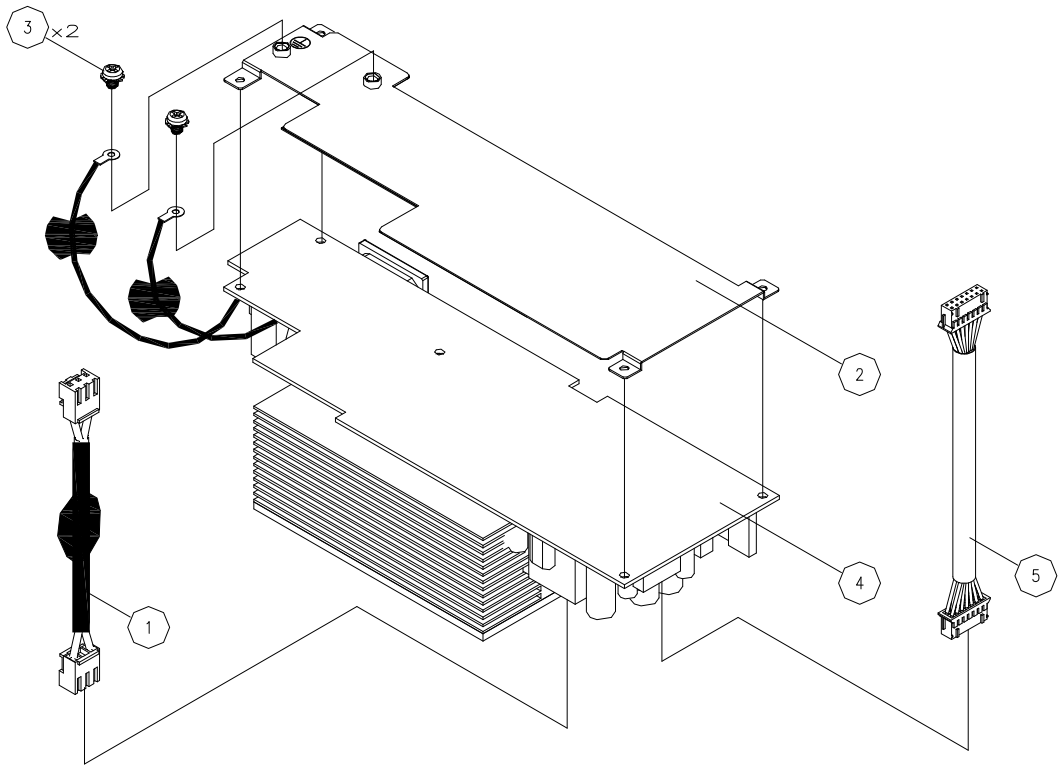


Exploded Parts List

Item	Part Number	Description
1	75.83N04G001	ASSY BOTTOM COVER PD726
2	70.83N18G001	ASSY LEFT COVER MODULE PD726
3	70.83N19G001	ASSY RIGHT COVER MODULE PD726
4	52.89610G001	STEAMTIGHT NEAR WIND TUNNEL F12 EP759/PD726
5	61.89634G001	HEX SPACER M3 H=23mm L=6mm BRASS PD726
6	61.88511G001	HEX SPACER M3 H=52mm L=4mm AL PD726

Note: Please refer to RSPL for updated Part Number.

ASSY LVPS MODULE PD726

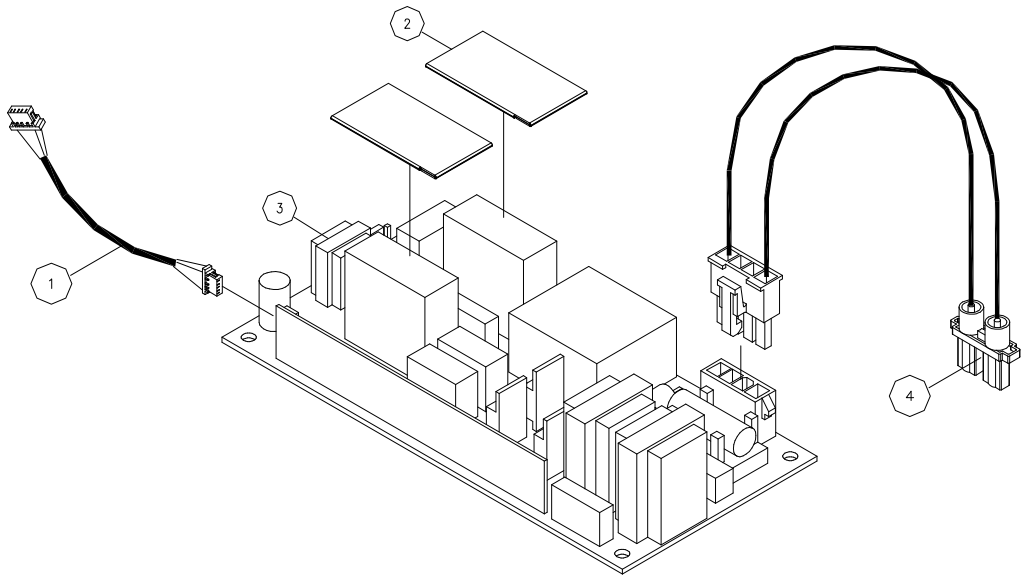


Exploded Parts List

Item	Part Number	Description
1	42.89611G001	W.A. 3P #20 250mm LAMP DRIVER TO LVPS EP759/PD726
2	75.82B28G001	BUY ASSY BRACKET LVPS HOLDER 5100MP
3	61.82K16G001	SCREW M4 AC GROUNDING
4	75.83N10G001	ASSY LVPS QUASAR 300W PD726
5	42.83N03G001	W.A. MAIN BD TO LVPS PD726/PH730

Note: Please refer to RSPL for updated Part Number.

ASSY LAMP DRIVER MODULE PD726

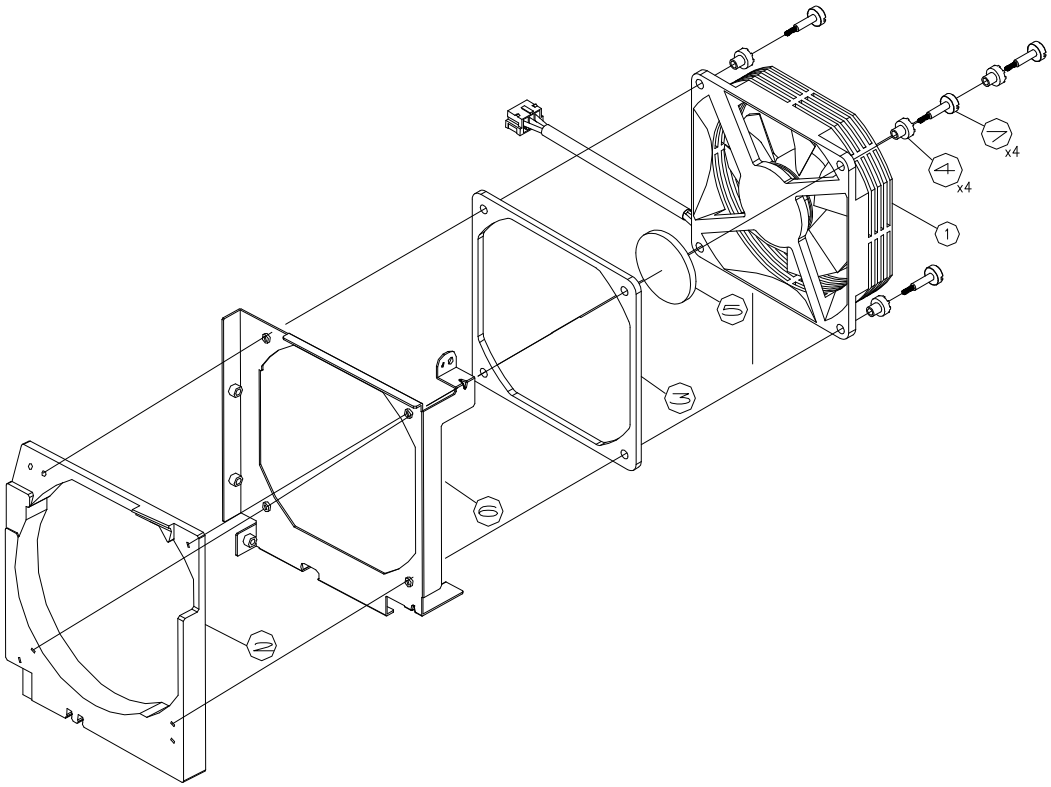


Exploded Parts List

Item	Part Number	Description
1	42.89608G001	W.A. 5P #28 140mm LAMP DRIVER TO MAIN BD EP910
2	51.89639G001	LAMP DRIVER EMI MYLAR EP759/PD726
3	75.80L01G003	ASSY OSRAM LAMP DRIVER 300W TYPE-04
4	76.89601G011	ASSY LAMP DRIVER(OSRAM) TO LAMP SMK W.A. GREEN EP759/PD726

Note: Please refer to RSPL for updated Part Number.

ASSY AXIAL FAN 92*25 MODULE PD726/PH730

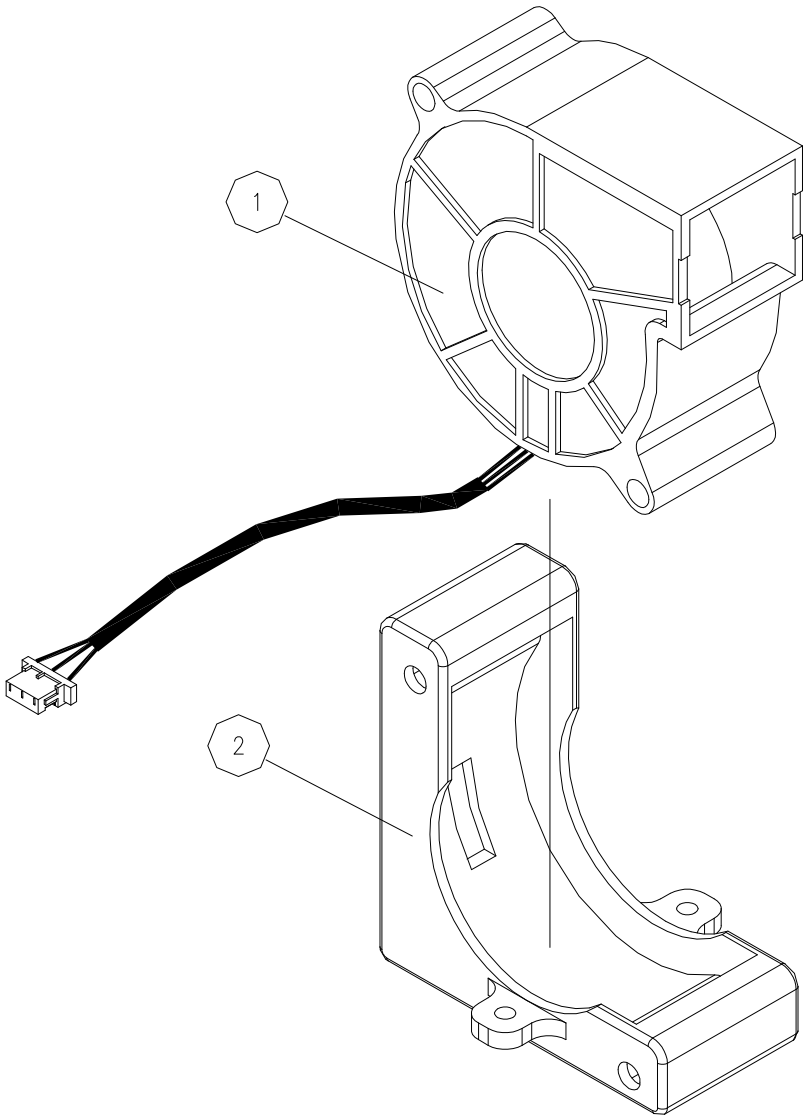


Exploded Parts List

Item	Part Number	Description
1	49.83C04G001	SUNON 9225 AXIAL FAN/KDE1209PTBX
2	52.83N05G001	100X32 FAN STEAMTIGHT RUBBER PD726
3	52.L1308G002	FAN 9225 RUBBER BOTTOM H76/PD726
4	52.L1309G001	FAN 9225 RUBBER TOP H76/PD726
5	61.86633G001	PANAFLO 92*25 AL FOIL H76/PD726
6	61.83N15G001	100X32 FAN HOLDER PD726
7	61.L1322G001	SCREW FOR 9225 FAN H76

Note: Please refer to RSPL for updated Part Number.

ASSY BLOWER FAN 60x25 MODULE PD726

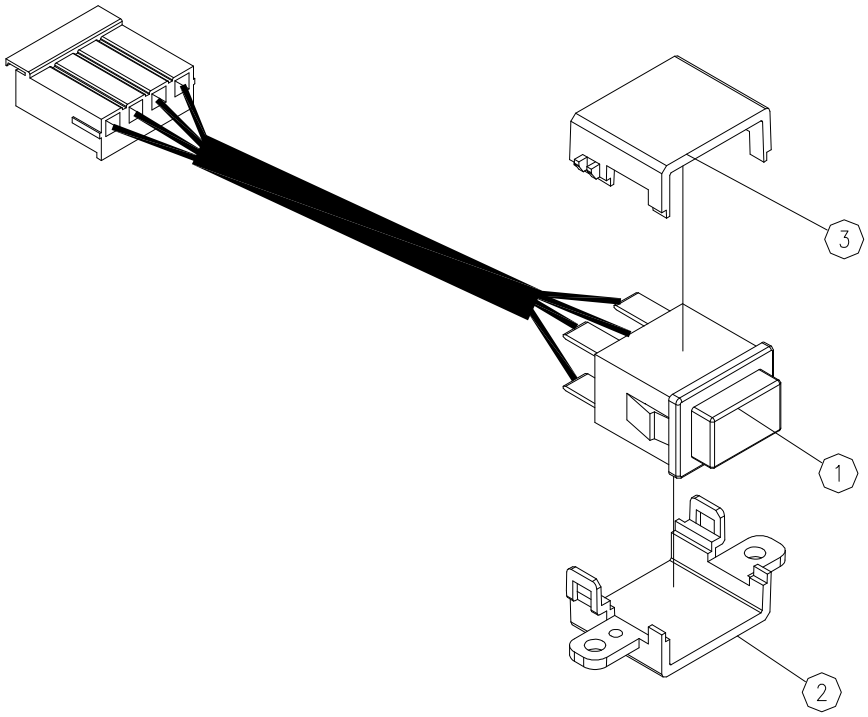


Exploded Parts List

Item	Part Number	Description
1	49.83N01G001	SUNON, GB1206PTV2-AY, 60*60*25 BLOWER
2	52.89503G001	FAN 595925 SILICON RUBBER 4100MP/PD726

Note: Please refer to RSPL for updated Part Number.

ASSY INTERRUPT SWITCH MODULE PD726

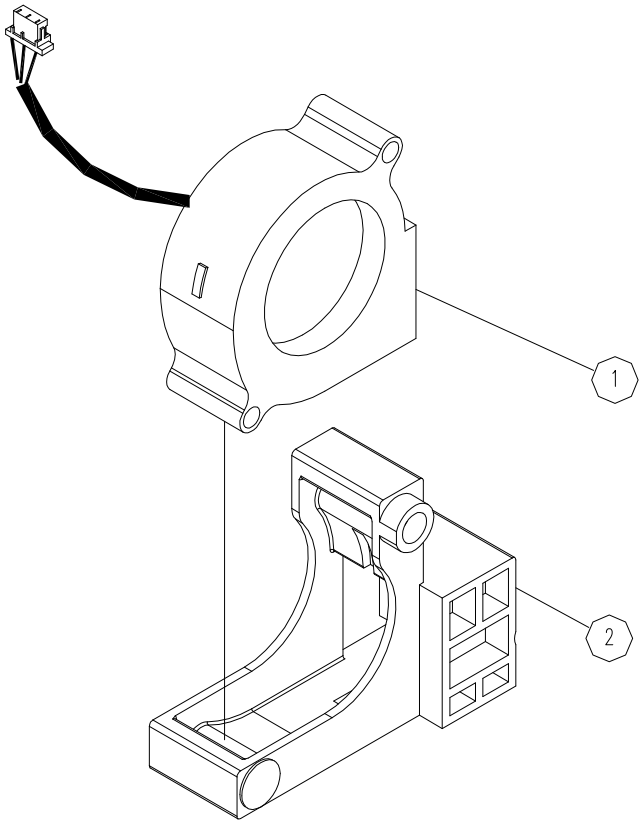


Exploded Parts List

Item	Part Number	Description
1	43.889601G001	INTERRUPT SWITCH LC-8306 EP759/PD726
2	51.89623G001	INTERRUPT S/W HOLDER TOP PC+ABS C6200 EP759/PD726
3	51.89624G001	INTERRUPT S/W HOLDER BOTTOM PC+ABS C6200 EP759/PD726

Note: Please refer to RSPL for updated Part Number.

ASSY BLOWER FAN 50x20 MODULE PD726

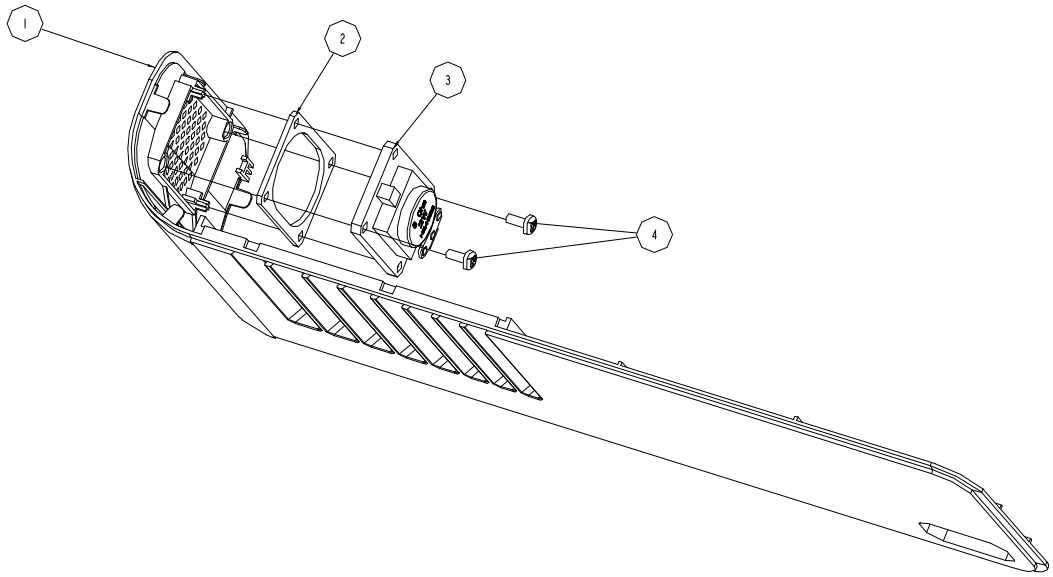


Exploded Parts List

Item	Part Number	Description
1	49.83N02G001	SUNON, GB1205PKV4-AY, 50*50*20 BLOWER
2	52.89603G001	BLOWER FAN 50*20 RUBBER EP759/PD726

Note: Please refer to RSPL for updated Part Number.

ASSY LEFT COVER MODULE PD726

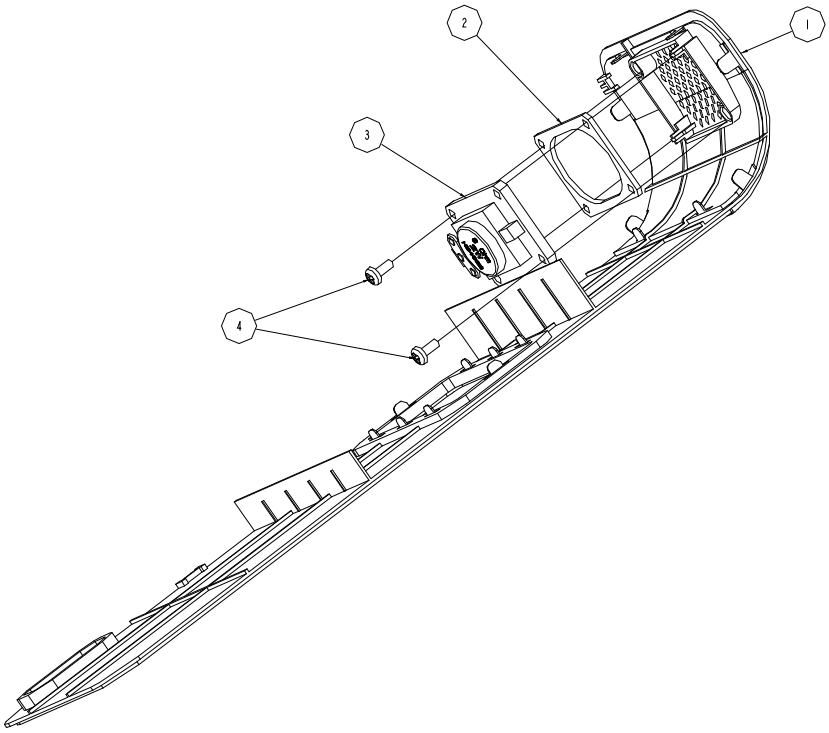


Exploded Parts List

Item	Part Number	Description
1	75.83N07G001	ASSY LEFT COVER PD726
2	52.89608G001	SPEAKER SPONGE CR 2t EP759/PD726
3	49.83N03G001	SPEAKER 8ohm 3W PD726/PH730
4	85.1A123G060	SCREW PAN MECH M3*6 NI

Note: Please refer to RSPL for updated Part Number.

ASSY RIGHT COVER MODULE PD726

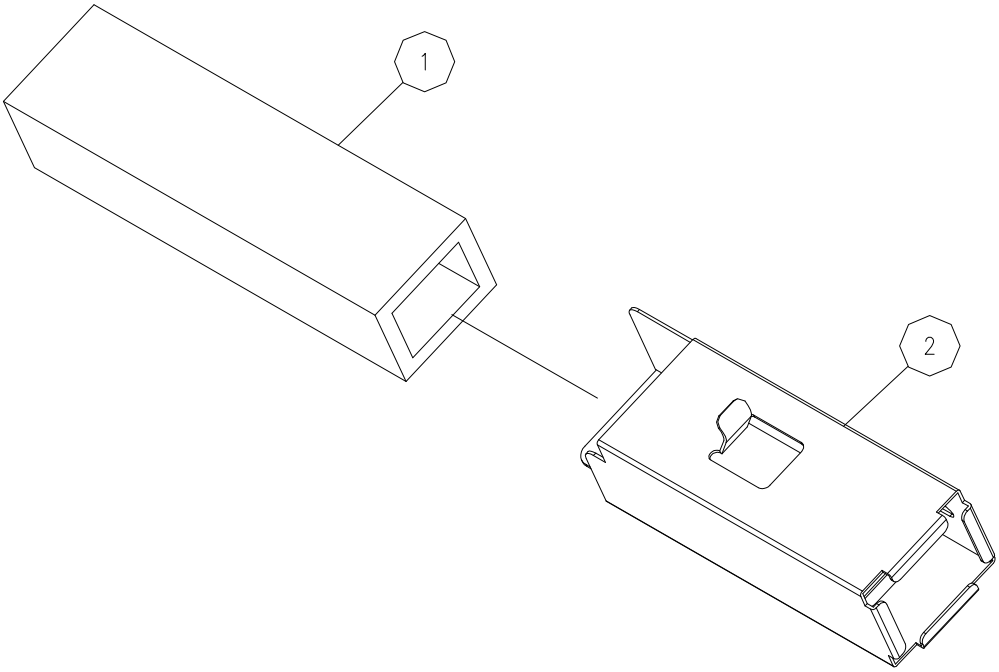


Exploded Parts List

Item	Part Number	Description
1	75.83N08G001	ASSY RIGHT COVER PD726
2	52.89608G001	SPEAKER SPONGE CR 2t EP759/PD726
3	49.83N03G001	SPEAKER 8ohm 3W PD726/PH730
4	85.1A123G060	SCREW PAN MECH M3*6 NI

Note: Please refer to RSPL for updated Part Number.

ASSY ROD MODULE PD726

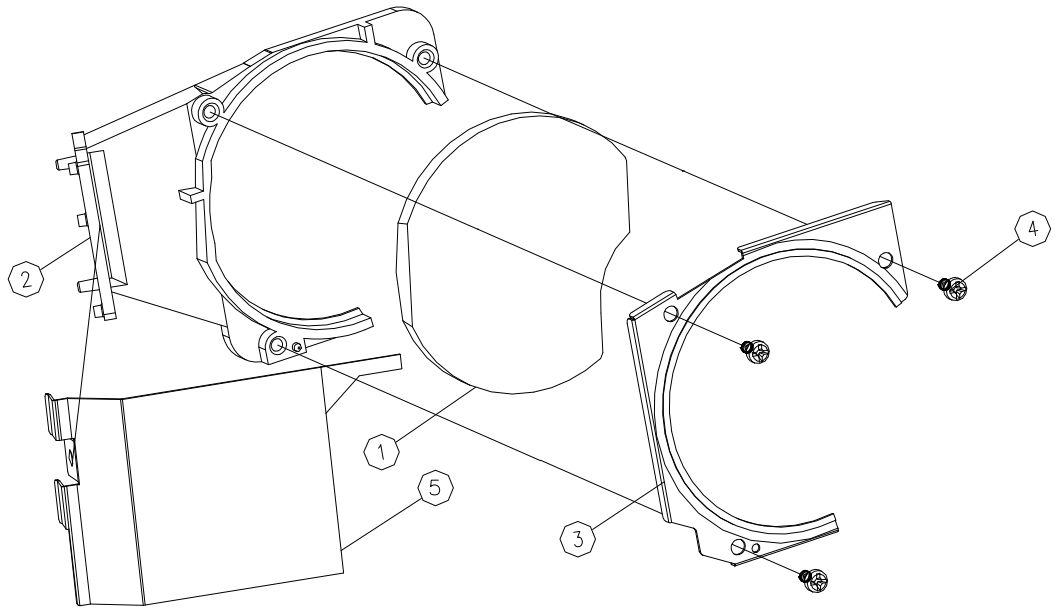


Exploded Parts List

Item	Part Number	Description
1	23.89617G002	HOLLOW ROD 6.2mm*4.6mm*31.3mm(t1.1mm)
2	61.89620G001	ROD HOLDER SUS301 0.2t EP759/PD726

Note: Please refer to RSPL for updated Part Number.

ASSY RELAY LENS MODULE PD726

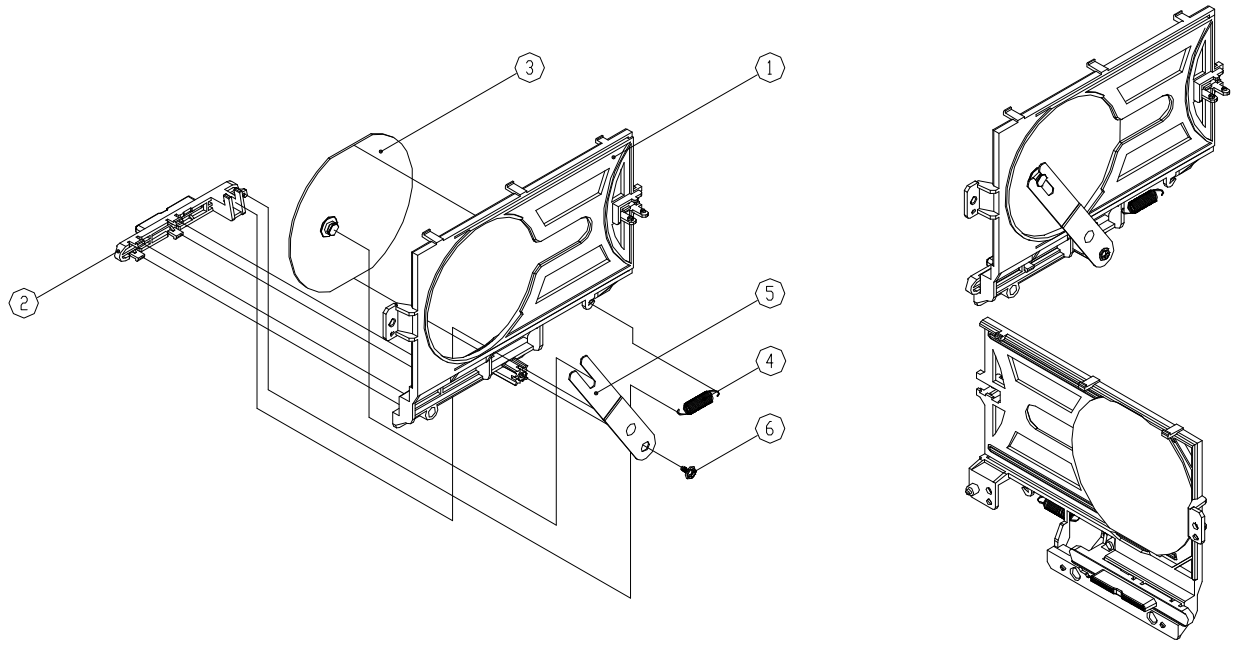


Exploded Parts List

Item	Part Number	Description
1	23.89606G001	ASPHERIC RELAY LENS GREEN DESIGN EP759
2	51.89625G001	RELAY HOLDER PPS+40%GF EP759/PD726
3	61.89612G001	RELAY SPRING PLATE SUS301 0.4t EP759/PD726
4	85.WA126G040	SCREW PAN TAP M2.6*4 Ni
5	61.89644G002	STRAY LIGHT MASK EP723P

Note: Please refer to RSPL for updated Part Number.

MANUAL LENS CAP MODULE PD726

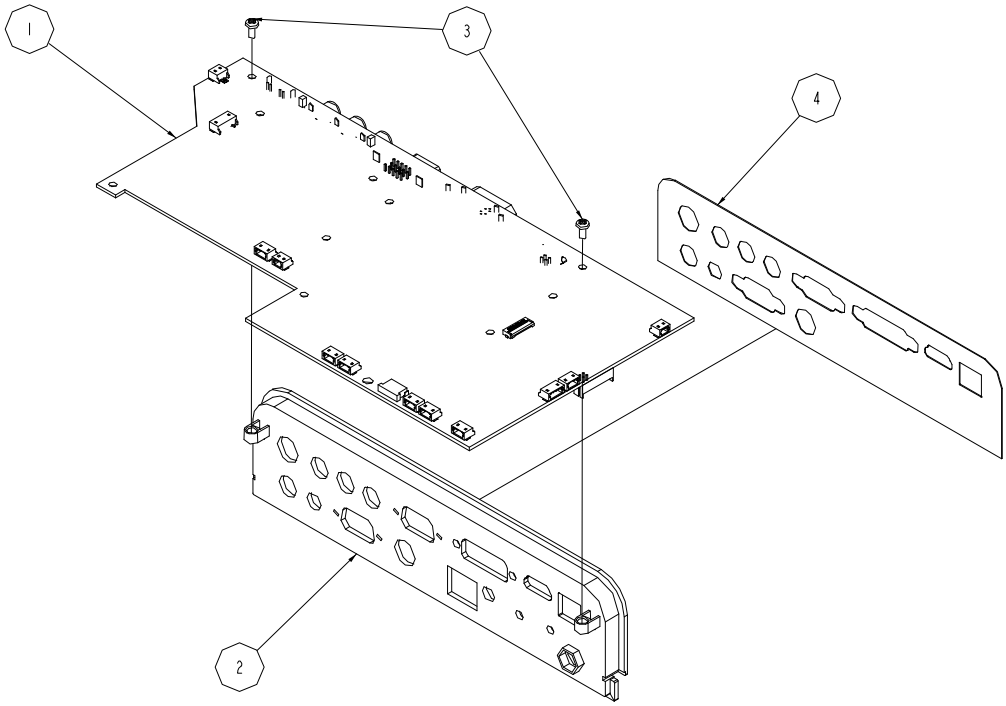


Exploded Parts List

Item	Part Number	Description
1	51.83N08G001	ADJUST BUTTON COVER PC MN-3600H PD726
2	51.83N07G001	LENSCAP ADJUST BUTTON PC MN-3600H PD726
3	61.83N02G001	MANUAL LENS CAP AL-HAIRLINE PD726
4	61.83N10G001	LENS CAP SPRING SUS PD726
5	61.83N16G001	LENS CAP CONNECTING-ROD AL PD726
6	85.TA122G030	SCREW CAP TAP M2*L3 NI WASHER D7.5

Note: Please refer to RSPL for updated Part Number.

ASSY MAIN-BD MODULE PD726

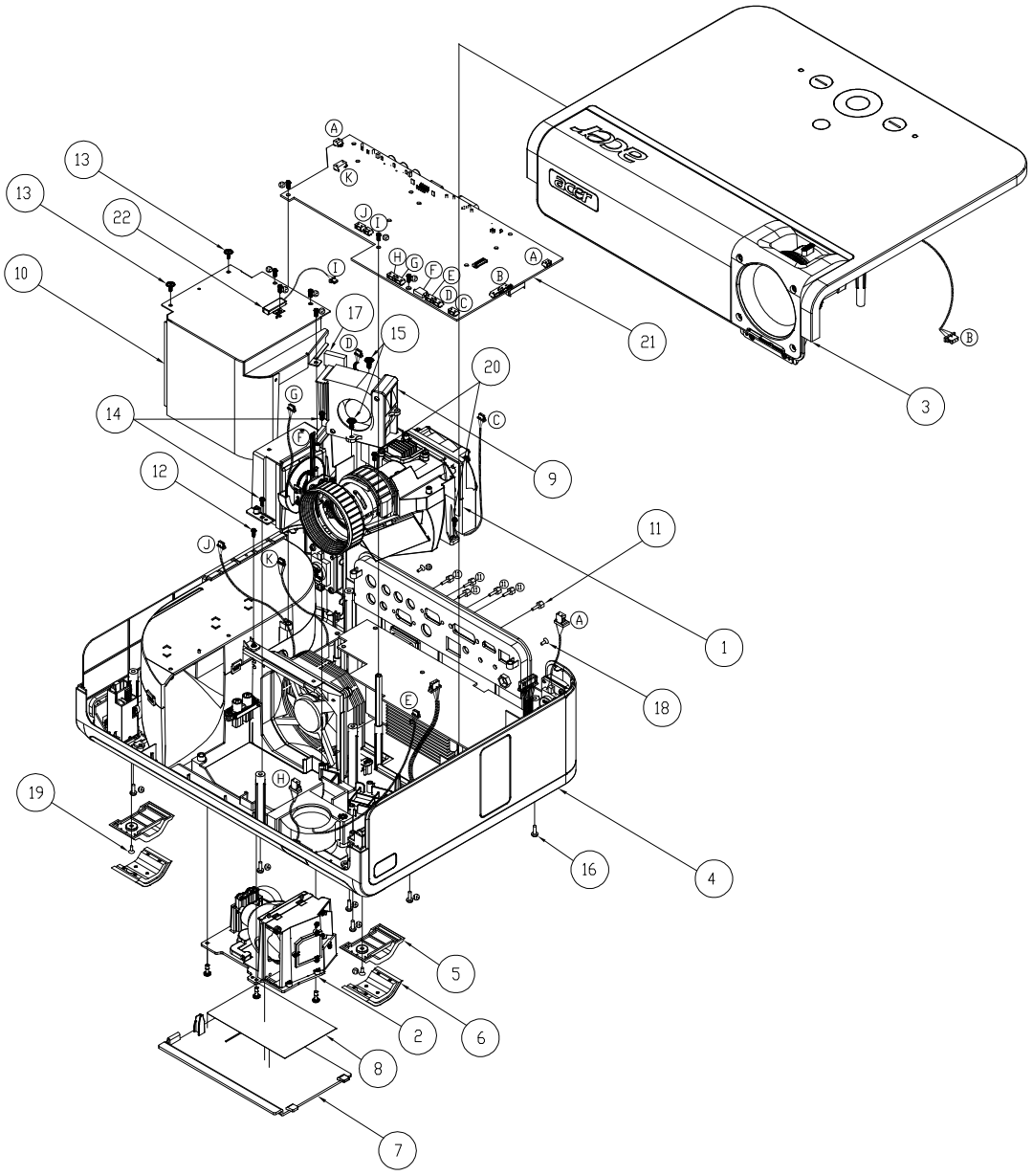


Exploded Parts List

Item	Part Number	Description
1	75.83N01G001	ASSY MAIN BOARD MODULE PD726
2	51.83N17G001	BACK COVER PC MN-3600H PD726
3	85.1A123G060	SCREW PAN MECH M3*6 NI
4	51.83N27G001	BACK I/O SHEET NO WIRELESS MODULE PD726

Note: Please refer to RSPL for updated Part Number.

EXPLODED OVERVIEW D.C PH730

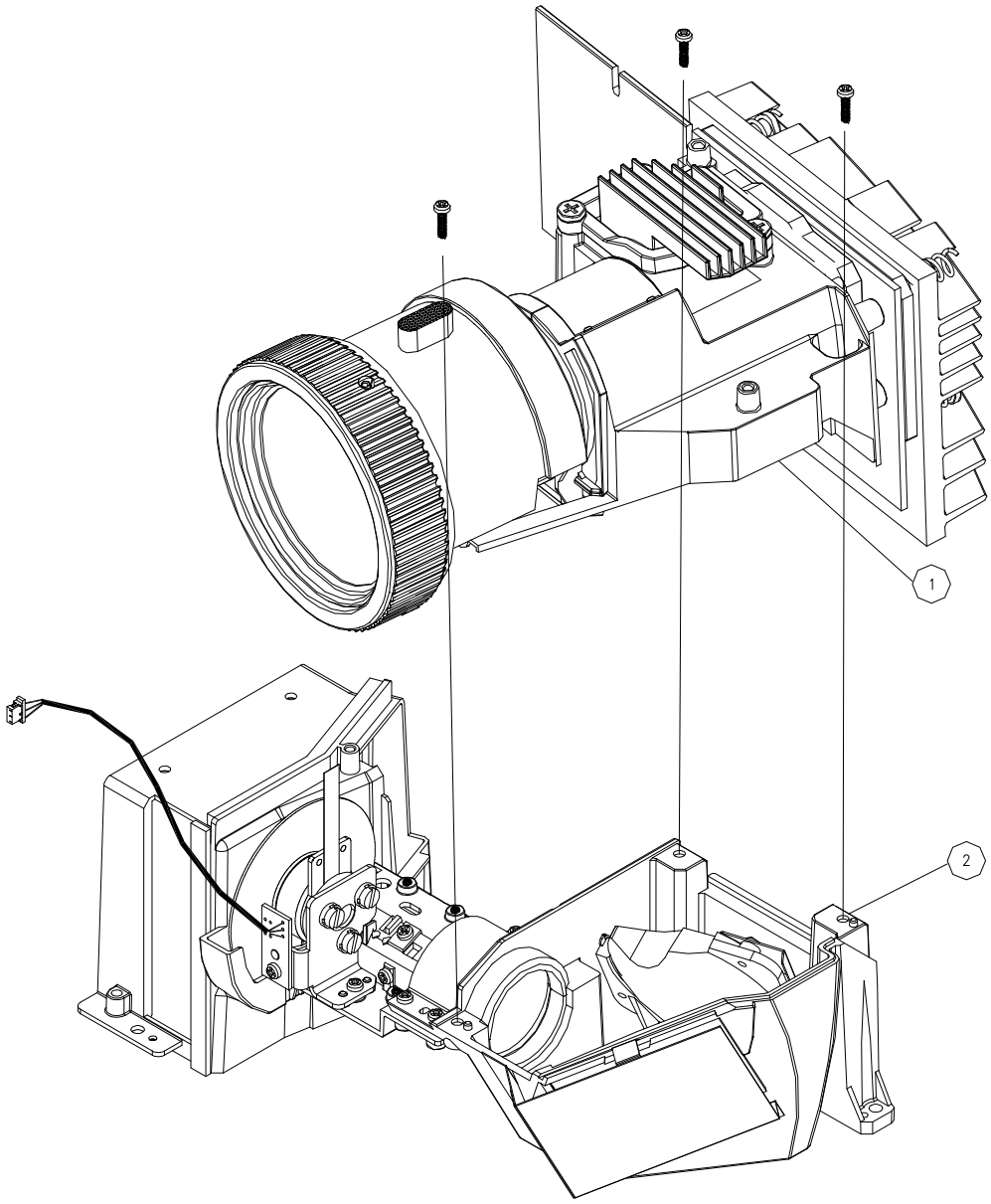


Exploded Parts List

Item	Part Number	Description
1	70.83N01G001	ASSY ENGINE MODULE PD726
2	70.83N07G001	ASSY LAMP CHANGER MODULE PD726
3	70.83N09G001	ASSY TOP COVER MODULE PD726
4	70.83N10G001	ASSY BOTTOM HOUSING MODULE PD726
5	51.83N11G001	ELEVATOR FOOT PC MN-3600H PD726
6	52.83N01G001	ELEVATOR FOOT SILICON RUBBER PD726
7	51.83N24G001	LAMP COVER PC MN-3600H PD726
8	61.89641G001	LAMP COVER AL FOIL 0.1t EP759/PD726
9	70.83N15G001	ASSY BLOWER FAN 60*25 MODULE PD726
10	75.83N09G001	ASSY FAN GUIDER COVER MODULE PD726
11	85.005AGG408	SCREW HEX I/O #4-40 H4*L8 NI NYLOK
12	85.1A123G060	SCREW PAN MECH M3*6 NI
13	85.TA326G070	SCREW CAP TAP M2.6*7 WASHER BLACK
14	85.WA123G060	SCREW PAN TAP M3*6 Ni
15	85.WD123G080	SCREW PAN TAP 3*8 W/WASHER Ni
16	85.1A123G080	PAN SCREW M3*8 FOR YM-64 FRONT CELL & SP
17	52.89611G001	DUCT RUBBER EP759/PD726
18	85.0A323G060	SCREW P/F MECH M3*6 BLACK
19	85.1A126G040	SCREW PAN MECH M2.6*4 Ni
20	85.WA123G080	SCREW PAN TAP M3*8 Ni
21	70.83N23G001	ASSY MAIN-BD MODULE PD726
22	43.87301G001	90c, TI THERMAL SWITCH

Note: Please refer to RSPL for updated Part Number.

ASSY ENGINE MODULE PH730

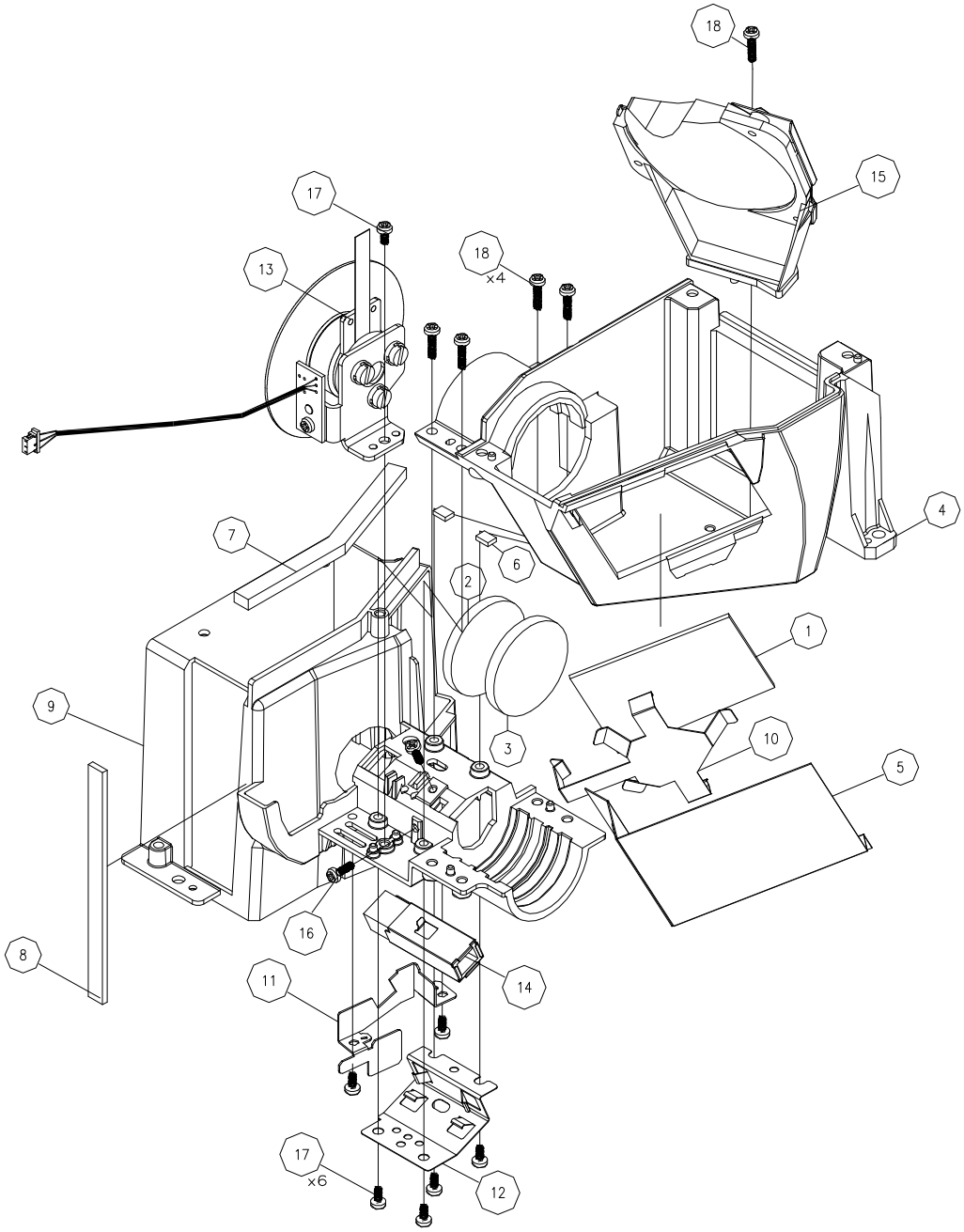


Exploded Parts List

Item	Part Number	Description
1	70.85A05G001	ASSY OPTICAL ENGINE PH730
2	70.85A02G001	ASSY ENGINE BASE MODULE PH730
3	85.1A126G080	SCREW PAN MECH M2.6*8 Ni

Note: Please refer to RSPL for updated Part Number.

ASSY ENGINE BASE MODULE PH730

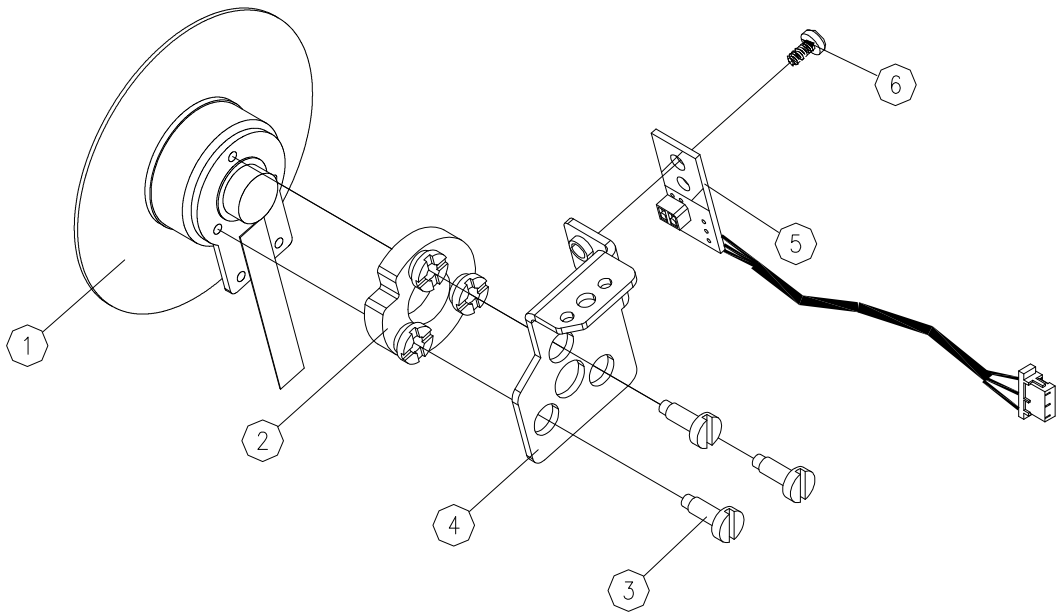


Exploded Parts List

Item	Part Number	Description
1	23.89602G001	POLYGON MIRROR (t1.1mm)
2	23.89620G001	CONDENSER 1 X26mm BK7 SPHERE
3	23.89620G002	CONDENSER 2 X26mm BK7 SPHERE
4	51.89614G001	ENGINE BASE BMC EP759/PD726
5	51.89637G001	ENGINE MIRROR ANTI LIGHT MYLAR EP759/PD726
6	52.85808G001	PORON-LENS BLACK XB31
7	52.89625G001	LAMP HOUSING STEAMTIGHT TOP F12 3.2t EP759/PD726
8	52.89626G001	LAMP HOUSING STEAMTIGHT SIDE F12 1.6t EP759/PD726
9	61.89602G001	LAMP HOUSING Mg ALLOY AZ91D EP759
10	61.89611G001	MIRROR SPRING PLATE SUS301 0.25t EP759/PD726
11	61.85A05G001	ROD MASK BRACKET PH730
12	61.89621G001	ROD SPRING SUS301 0.25t EP759/PD726
13	70.83N03G001	ASSY COLOR WHEEL MODULE PD726
14	70.85A04G001	ASSY ROD MODULE PH730
15	70.83N21G001	ASSY RELAY LENS MODULE PD726
16	85.1A122G060	SCREW PAN MECH M2*6 Ni
17	85.1A126G040	SCREW PAN MECH M2.6*4 Ni
18	85.1A126G080	SCREW PAN MECH M2.6*8 Ni

Note: Please refer to RSPL for updated Part Number.

ASSY COLOR WHEEL MODULE PH730

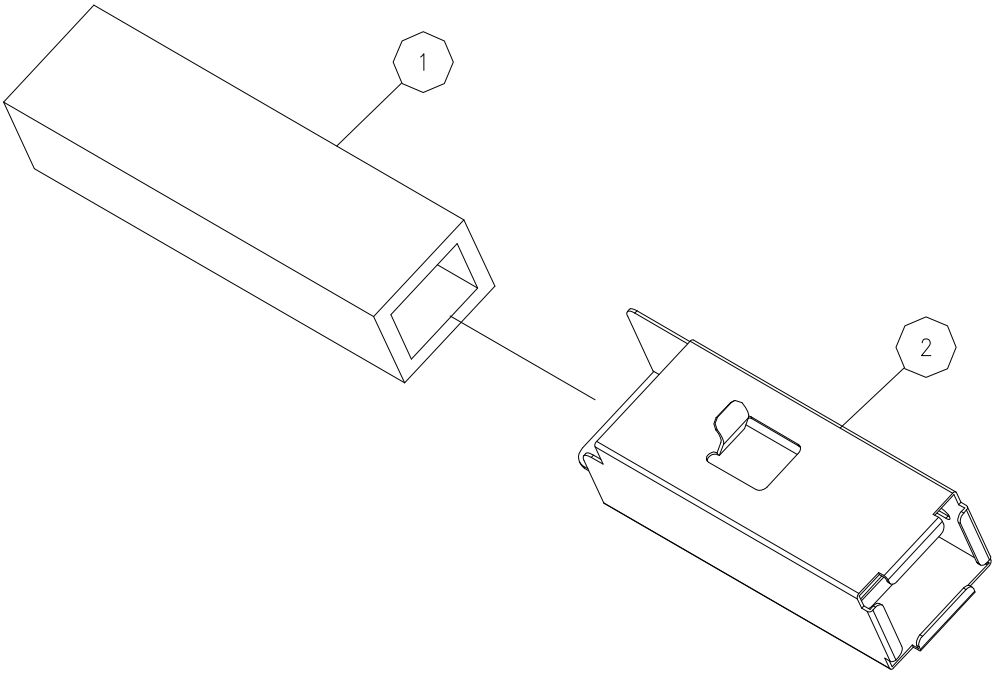


Exploded Parts List

Item	Part Number	Description
1	23.83N19G001	COLOR WHEEL X48mm R92/G83/W110/B75 SLEEVE BEARING CW; YO
2	52.89606G001	COLOR WHEEL RUBBER EP759/PD726
3	61.89511G001	COLOR WHEEL SCREW 4100MP " GREEN"
4	61.89608G001	COLOR WHEEL BRACKET SECC 1.2t EP759/PD726
5	80.83N06G001	PCBA PHOTO SENSOR BD PD726
6	85.1A126G040	SCREW PAN MECH M2.6*4 Ni

Note: Please refer to RSPL for updated Part Number.

ASSY ROD MODULE PH730

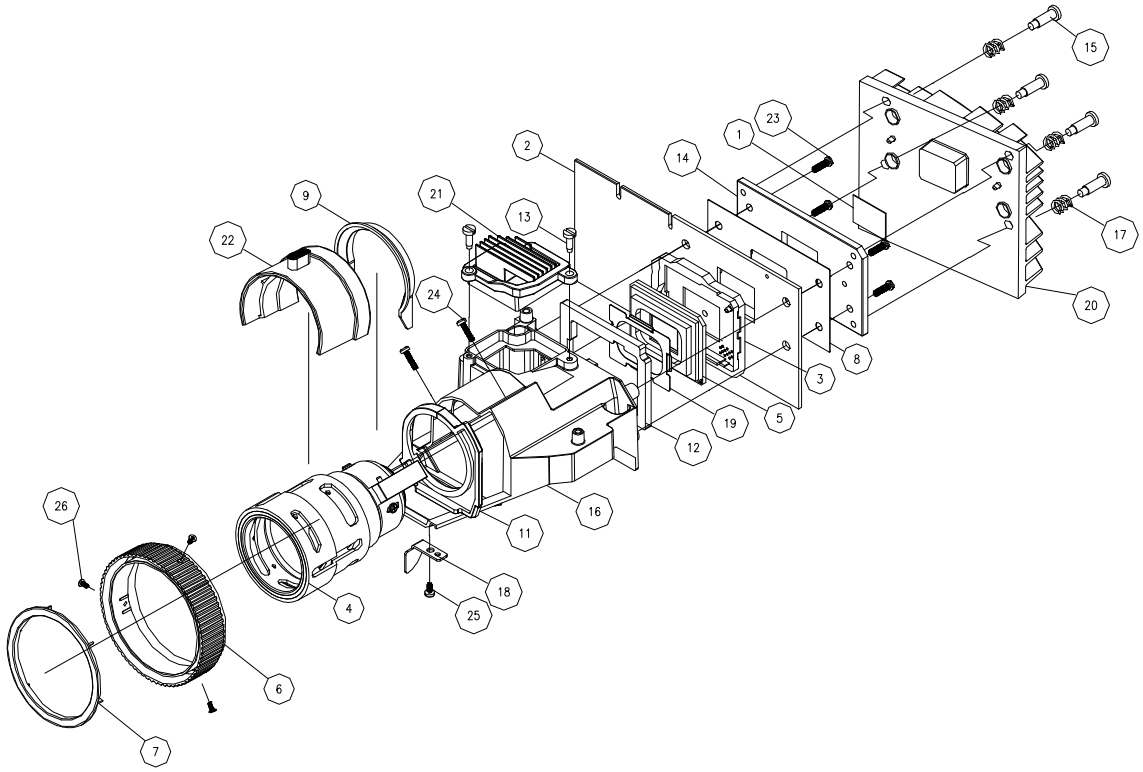


Exploded Parts List

Item	Part Number	Description
1	23.89617G002	HOLLOW ROD 6.2mm*4.6mm*31.3mm(t1.1mm)
2	61.85A02G001	ROD HOLDER SUS301 0.2t PH730

Note: Please refer to RSPL for updated Part Number.

ASSY OPTICAL ENGINE MODULE PH730

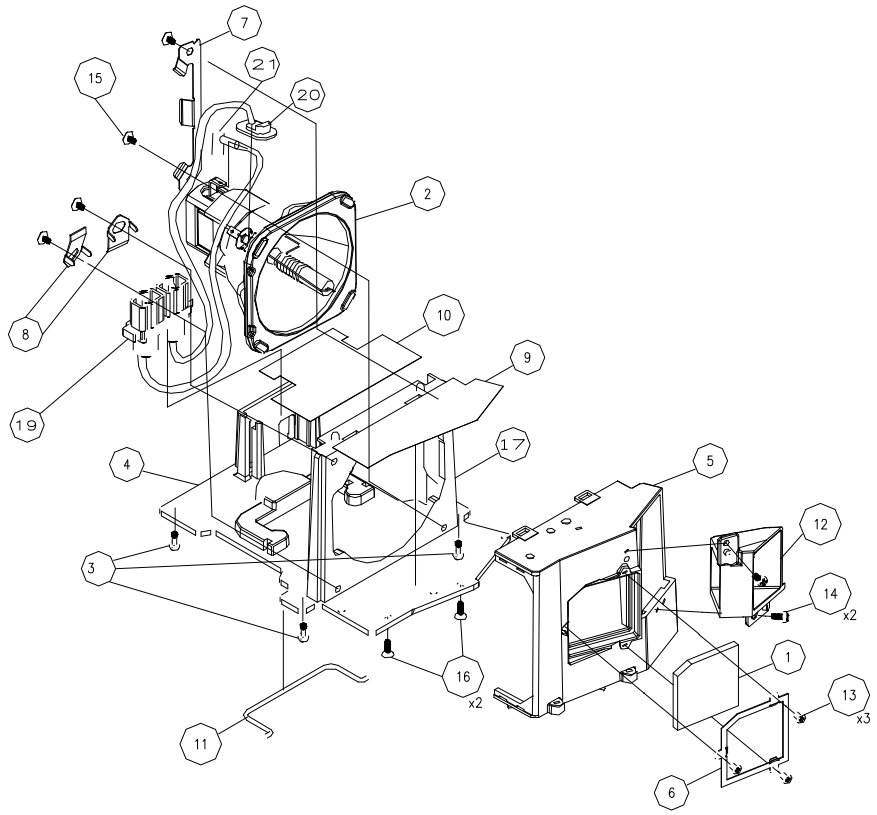


Exploded Parts List

Item	Part Number	Description
1	52.89633G001	THERMAL PAD FOR DMD HEAT SINK 17*13*0.3mm, Fujipoly GR-HM
2	00.83N02G001	BARE PCB L:8 DMD BD PD726
3	11.009F0G006	CNNT F 203P FOR 0.55" SVGA LGA DMD SOCKET;TELEDYNE "GREEN"
4	23.83F01G002	YM10 PROJECTION ZOOM LENS WITH MASK FOR 739 series,F/2.5~F/2.8
5	48.83FDMGD01	DMD 1280*768 PIXEL 0.65 WXGA 12X LVDS TYPE A
6	51.83N19G002	FOCUS RING PH730
7	51.83N22G001	FOCUS RING COVER PD726
8	51.89627G001	DMD INSULATION MYLAR EP759/PD726
9	51.89628G001	ZOOM STOP RING PC+ABS C6200 EP759/PD726
10	52.87110G001	RUBBER CAP RUBBER PD726
11	52.89613G001	ENGINE SEAL RUBBER EP759/PD726
12	52.89627G001	DMD SEAL RUBBER F12 3.2t EP759
13	61.85926G001	COLOR WHEEL SHOULDER SCREW SB21
14	61.89605G001	DMD BACKER PLATE AL 3.0t EP759/PD726
15	61.89626G001	HEATSINK SCREW EP759
16	61.89627G011	ENGINE COVER AZ91D EP759/PD726 "FOXCONN"
17	61.89630G001	HEATSINK SPRING EP759/PD726
18	61.89631G001	MASK BRACKET AL 0.8t EP759/PD726
19	61.89643G001	DMD MASK PLATE SUS301 0.15t EP759
20	61.81C01.001	DMD HEATSINK EP758
21	70.81N35G001	ASSY OFFRAY HEATSINK MODULE PD725P/PD723P/PD726
22	75.83N02G001	ASSY ZOOM RING MODULE PD726
23	85.1A123G080	PAN SCREW M3*8 FOR YM-64 FRONT CELL & SP
24	85.1A126G080	SCREW PAN MECH M2.6*8 Ni
25	85.1A626G040	SCREW PAN MECH M2.6*4 BLACK NYLOK
26	85.4A121G080	SCREW FLAT HEAD TAP M1.7*8 Ni BLACK

Note: Please refer to RSPL for updated Part Number.

ASSY LAMP CHANGER MODULE PH730

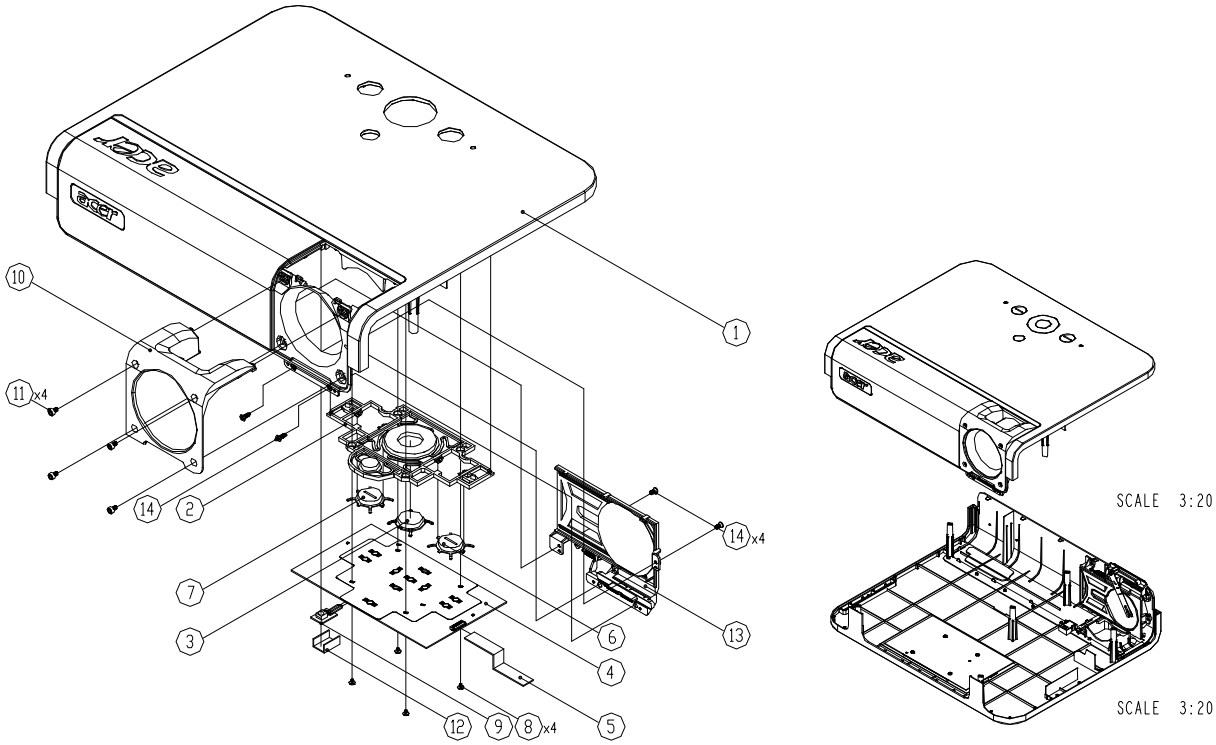


Exploded Parts List

Item	Part Number	Description
1	23.89610G002	BOROFLOAT UV-IR SQUARE t2.75mm
2	23.83M15G001	OSRAM E20.5 LAMP 250W
3	61.00018G002	LLOCK SCREW PAN MECH M3*8.5-3.5 BLACK
4	51.85A01G001	E20d5 LAMP BOTTOM PPS+40%GF PH730
5	61.89603G021	LAMP MESH HOLDER TILT 20 AZ91D EP759/PD726 - FOXCONN
6	61.89606G001	UV-IR BRACKET SPRING SUS301 0.3t EP759/PD726
7	61.83F12G001	LAMP CLAMP SUS301 t=0.3 HD72
8	61.88506G001	LAMP BRACKET 2 SUS301 0.3t 2200MP "
9	61.89636G001	LAMP CHANGER AL FOIL FRONT EP759/PD726
10	61.89637G001	LAMP CHANGER AL FOIL BACK EP759/PD726
11	61.89639G001	LAMP EXCHANGE HANDLER FOR EP759
12	61.85A03G001	BLOWER DUCT-1 AL PH730
13	85.0A122G030	SCREW DOUBLE FLAT MECH M2*3Ni
14	85.1A122G040	SCREW PAN MECH M2*4 Ni
15	85.1A126G040	SCREW PAN MECH M2.6*4 Ni
16	85.4A326G060	SCREW FLAT MECH M2.6*6 BLACK
17	61.85A01G001	E20d5 LAMP HOLDER FRAME AL PH730
18	61.00018G002	LOCK SCREW PAN MECH M3*8.5-3.5 BLACK
19	76.81A01G003	BUY ASSY WIRE 2P#22 200C 6KV BALLAST/LAMP VULCAN-1
20	52.80J26G001	LAMP RUBBER VULCAN-1
21	52.85902G011	LAMP CONTACT COVER RUBBER 300"C

Note: Please refer to RSPL for updated Part Number.

ASSY TOP COVER MODULE PH730

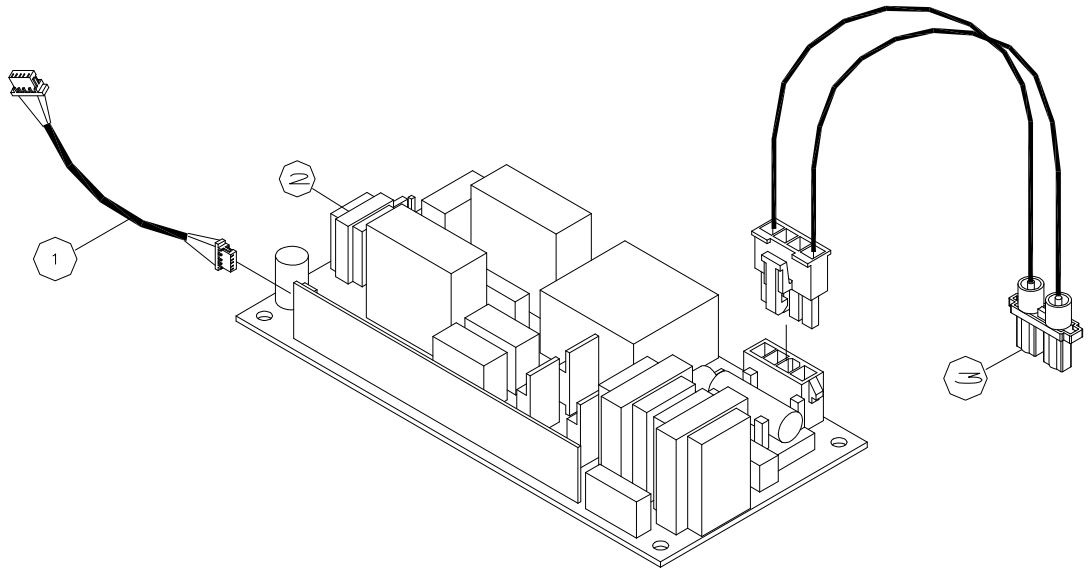


Exploded Parts List

Item	Part Number	Description
1	75.83N03G001	ASSY TOP COVER PD726
2	51.83N03G001	KEYPAD MAIN BUTTON PC PD726
3	51.83N04G001	KEYPAD MIDDLE BUTTON PC PD726
4	80.83N04G001	PCBA KEY BOARD ASSY PD726
5	42.83N01G001	CABLE FFC 20P 0.5mm L=100mm PD726
6	51.83N23G001	KEYPAD RIGHT BUTTON PC PD726
7	51.83N23G002	KEYPAD LEFT BUTTON PC PD726
8	85.1D122G030	SCREW PAN MECH M2*3 Ni(W/WSHER X5.0)
9	80.83N05G001	PCBA IR SENSOR BOARD FOR PD726
10	51.83N02G002	LENS AREA COVER PC MN-3600H PH730
11	85.C0023G050	SCREW INNER HEXAGON SUS M3*L5 PD726
12	51.82U06G001	SUNSHAD FOR FRONT IR FRPP 0.125t TDP-P8
13	70.85A12G001	ASSY MANUAL LENS CAP MODULE PH730
14	85.4A326G060	SCREW FLAT MECH M2.6*6 BLACK

Note: Please refer to RSPL for updated Part Number.

ASSY LAMP DRIVER MODULE PH730

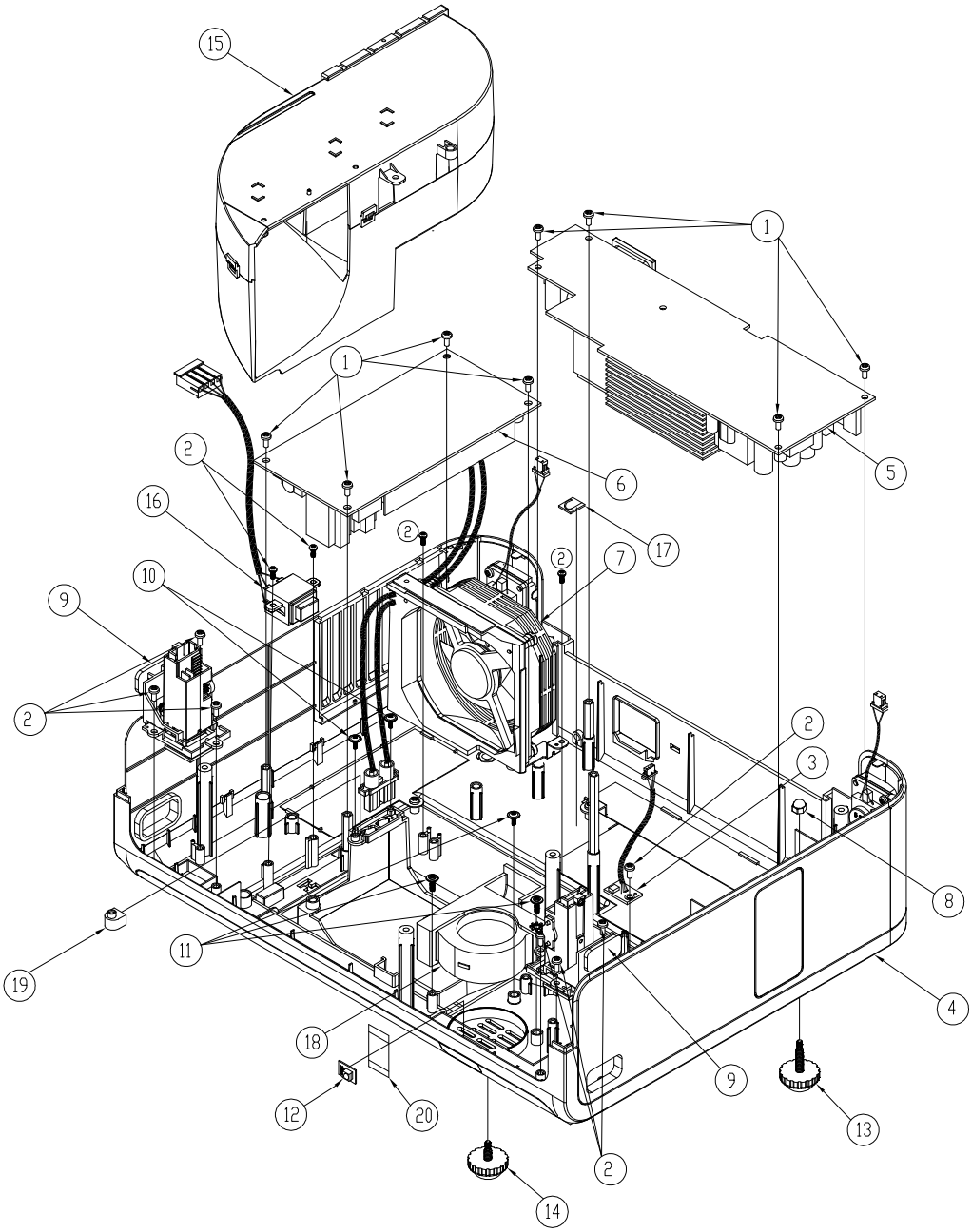


Exploded Parts List

Item	Part Number	Description
1	42.89608G001	W.A. 5P #28 140mm LAMP DRIVER TO MAIN BD EP910
2	75.83M02G001	ASSY OSRAM 03 LAMPDRIVER 260W A4544210027
3	76.89601G011	ASSY LAMP DRIVER(OSRAM) TO LAMP SMK W.A. GREEN EP759/PD726

Note: Please refer to RSPL for updated Part Number.

ASSY BOTTOM HOUSING MODULE PH730

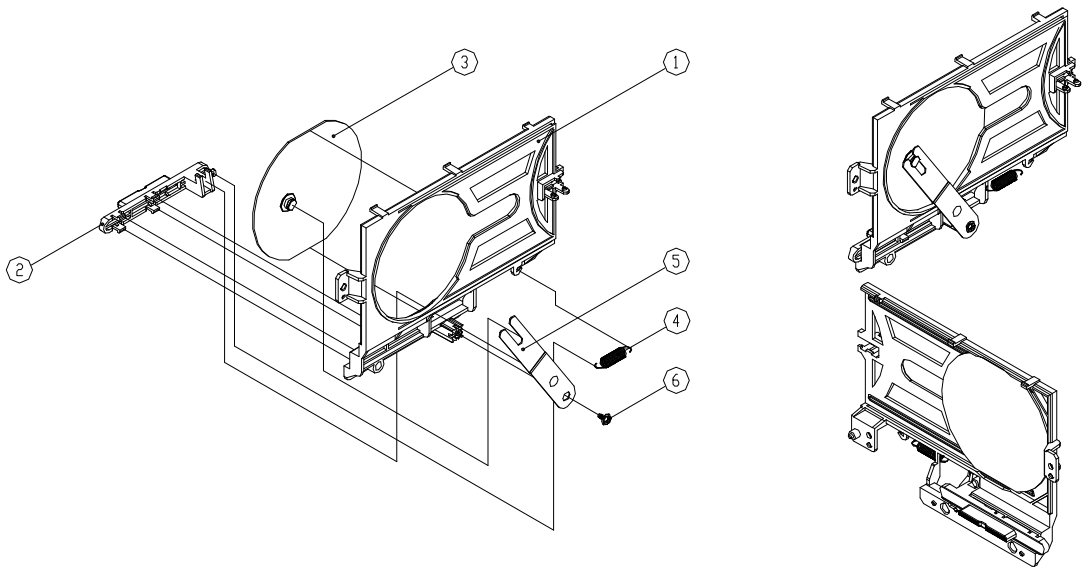


Exploded Parts List

Item	Part Number	Description
1	85.1A123G060	SCREW PAN MECH M3*6 NI
2	85.WA123G060	SCREW PAN TAP M3*6 Ni
3	80.83405G001	PCBA THERMAL SENSOR BD EzPro 730/735 ID=90
4	70.85A16G001	ASSY BOTTOM COVER MODULE PH730
5	70.83N12G001	ASSY LVPS MODULE PD726
6	70.85A10G001	ASSY LAMP DRIVER MODULE PH730
7	70.83N14G001	ASSY AXIAL FAN 92*25 MODULE PD726
8	86.03123G035	HEX CAP HEAD NUT M3*0.5P L3.5
9	75.83N05G001	ASSY PRE ELEVATOR MODULE PD726
10	85.TA326G070	SCREW CAP TAP M2.6*7 WASHER BLACK
11	85.WD123G080	SCREW PAN TAP 3*8 W/WASHER Ni
12	80.83N05G001	PCBA IR SENSOR BOARD FOR PD72
13	52.89601G001	ADJUST FOOT RUBBER EP910
14	52.83N14G001	ADJUST FOOT RUBBER LEFT PD726
15	75.83N06G001	ASSY WIND TUNNEL MODULE PD726
16	70.83N16G001	ASSY INTERRUPT SWITCH MODULE PD726
17	51.00075G001	WIRE MOUNTS PG-FW-4D PD120
18	70.83N17G001	ASSY BLOWER FAN 50*20 MODULE PD726
19	52.89631G002	LAMP TO BTM INSULATOR RUBBER EP759/PD726
20	51.83N32G001	MYLAR FOR FRONT IR LENS PD726
21	52.83N11G001	WIND TUNNEL DISCONNECT SPONGE PD726
22	41.85A01G001	EMI GASKET / 10*27*20

Note: Please refer to RSPL for updated Part Number.

MANUAL LENS CAP MODULE PH730

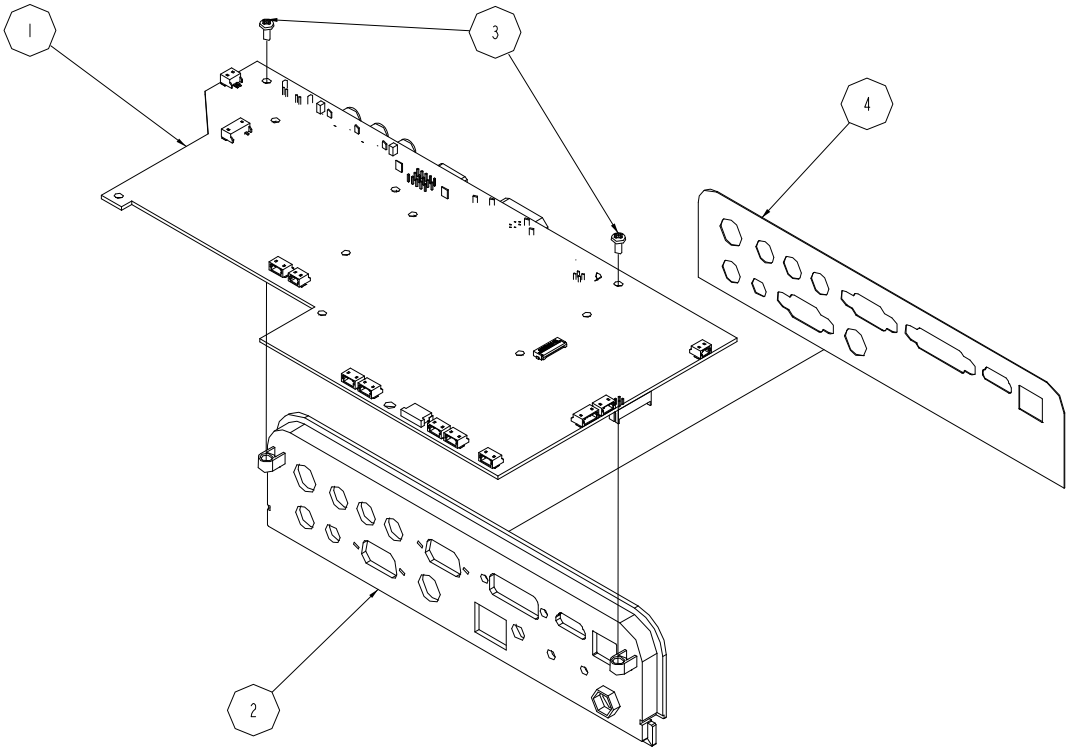


Exploded Parts List

Item	Part Number	Description
1	51.83N08G001	ADJUST BUTTON COVER PC MN-3600H PD726
2	51.83N07G001	LENSCAP ADJUST BUTTON PC MN-3600H PD726
3	61.83N02G001	MANUAL LENS CAP AL-HAIRLINE PD726
4	61.83N10G001	LENS CAP SPRING SUS PD726
5	61.83N16G001	LENS CAP CONNECTING-ROD AL PD726
6	85.TA122G030	SCREW CAP TAP M2*L3 NI WASHER D7.5

Note: Please refer to RSPL for updated Part Number.

ASSY MAIN-BD MODULE PH730

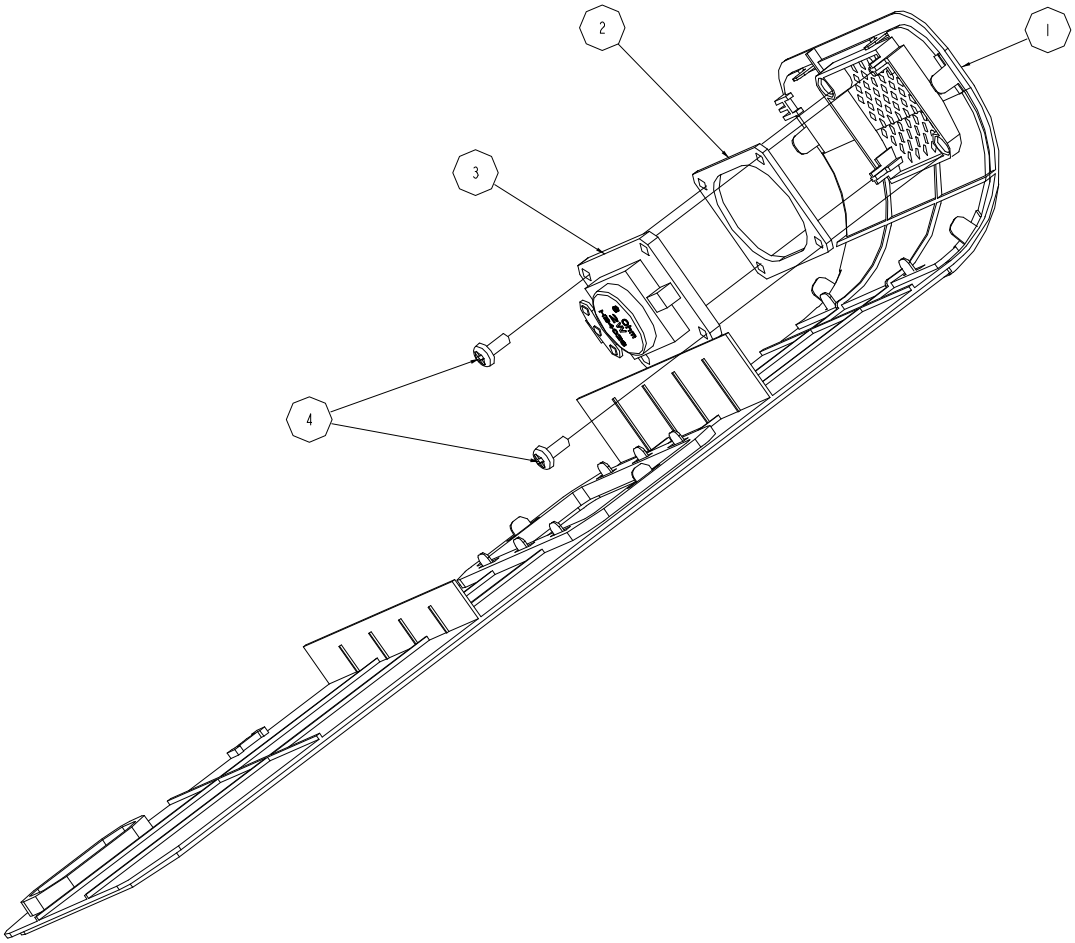


Exploded Parts List

Item	Part Number	Description
1	75.85A01G001	ASSY MAIN MODULE PH730
2	51.83N17G001	BACK COVER PC MN-3600H PD726
3	85.1A123G060	SCREW PAN MECH M3*6 NI
4	51.83N27G001	BACK I/O SHEET NO WIRELESS MODULE PD726

Note: Please refer to RSPL for updated Part Number.

ASSY RIGHT COVER MODULE PH730

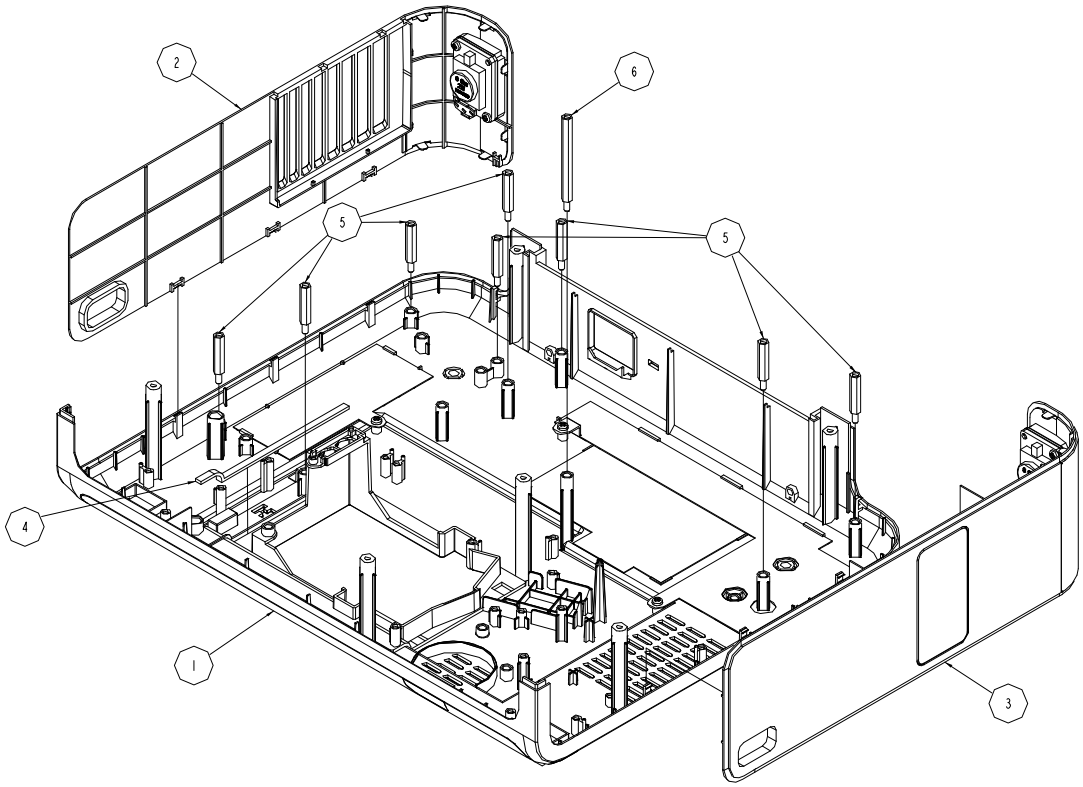


Exploded Parts List

Item	Part Number	Description
1	75.85A04G001	ASSY RIGHT COVER PH730
2	52.89608G001	SPEAKER SPONGE CR 2t EP759/PD726
3	49.83N03G001	SPEAKER 8ohm 3W PD726/PH730
4	85.1A123G060	SCREW PAN MECH M3*6 NI

Note: Please refer to RSPL for updated Part Number.

ASSY BOTTOM COVER MODULE PH730



Exploded Parts List

Item	Part Number	Description
1	75.83N04G001	ASSY BOTTOM COVER PD726
2	70.83N18G001	ASSY LEFT COVER MODULE PD726
3	70.85A15G001	ASSY RIGHT COVER MODULE PH730
4	52.89610G001	STEAMTIGHT NEAR WIND TUNNEL F12 EP759/PD726
5	61.89634G001	HEX SPACER M3 H=23mm L=6mm BRASS PD726
6	61.88511G001	HEX SPACER M3 H=52mm L=4mm AL PD726

Note: Please refer to RSPL for updated Part Number.

Serial Number Definition System

I. Serial Number System Definition

Serial No. (Acer Barcode rule), 22 digits

(Barcode Type: Code 128)

The coding rule of the Bar Code:

(1) PPPPPPPPPP (10 digitals) : Part Number excluded “dot”
Ex: EY.J1401.001.

(2) WWW (3 digitals) : Week Code
The first digit is the last letter of the year; the other two letters are the number of the weeks.
Ex: Year 2001 10th weeks => 110.

(3) SSSSS (5 digitals) : Serial Numbers
From 00001 to FFFFF by hexadecimal 0~9, A, B, C, D, E, F, weekly reset the number Started from “0001”.

(4) MM (2 digitals) : Manufacturing Code
Manufacturing Code will be applied by different manufacturing site.
Coretronic : PP / RU / RM (3 different sites)

(5) EE (2 digitals) : Eng. Version Code
If it doesn’t have version control, it will be put with zero “00”.

II. PCBA Code Definition

PCBA Code for Projector

A	B	XXXXXXXXXX	C	XXX	EEEE
1	2	3	4	5	6

1 : ID — C: M/B; B: DMD/ B

2 : Vendor Code

3 : P/N

4 : Revision

5 : Date Code

6 : S/N

III. The Different Parts PD726 / PH730

PH730		PD726	
70.85A01G001	ASSY ENGINE MODULE PH730	70.83N01G001	ASSY ENGINE MODULE PD726
23.83F01G002	YM10 PROJECTION ZOOM LENS WITH	23.80J01G001	DLP 0.7”XGA ZOOM PROJECTION LENS
48.83FDMGD01	DMD 1280*768 PIXEL 0.65 WXGA 1	48.83N01G001	DMD 0.7 XGA 12° LVDS TYPE A
61.81C01G001	DMD HEATSINK EP758/PH730	61.83N21G001	DMD HEATSINK NO FAN PD726
51.85A03G001	DMD HEATSINK MYLAR FOR PH730	51.83N37G001	DMD HEATSINK MYLAR FOR PD726
52.89633G001	THERMAL PAD FOR DMD HEAT SINK	52.83N15G001	FUJIPOLLY SARCON XR-Hj, THERMAL PAD FOR DMD HEAT SINK, K=14
61.85A05G001	ROD MASK BRACKET PH730	61.89617G001	ROD BRACKET AL 0.6t EP759/ PD726
		51.81541G001	TAPE 3M J350 17*30mm
23.85A19G001	Color Wheel Φ48mm 7 segments W30 Sleeve Bearing,YO	23.83N19G001	COLOR WHEEL Φ48mm R92/G83/ W110/B75 SLEEVE BEARING CW; YO
61.85A02G001	ROD HOLDER SUS301 0.2t PH730	61.89620G001	ROD HOLDER SUS301 0.2t EP759/ PD726
23.85A17G002	HOLLOW ROD 6.2mm*4.0mm*31.3 mm(t1.1mm) ,UNAXIS	23.89617G002	HOLLOW ROD 6.2mm*4.6mm*31.3 mm(t1.1mm)
51.83N19G011	FOCUS RING PH730	51.83N19G001	FOCUS RING PD726
51.83N22G011	FOCUS RING COVER PH730	51.83N22G001	FOCUS RING COVER PD726
51.85A02G001	ZOOM RING PC+ABS PH730	51.83N18G001	ZOOM RING PD726
70.85A13G001	ASSY MAIN-BD MODULE PH730	70.83N23G001	ASSY MAIN-BD MODULE PD726
80.85A01G001	PCBA MAIN BD FOR PH730	80.83N01G001	PCBA MAIN BD FOR PD726
70.85A09G001	ASSY TOP COVER MODULE PH730	70.83N09G001	ASSY TOP COVER MODULE PD726
75.85A03G001	ASSY TOP COVER ASSM. PH730	75.83N03G001	ASSY TOP COVER PD726
51.83N02G002	LENS AREA COVER PC MN-3600H PH	51.83N02G001	LENS AREA COVER PC MN-3600H PD
51.83N03G011	KEYPAD MAIN BUTTON PC PH730	51.83N03G001	KEYPAD MAIN BUTTON PC PD726
51.83N04G011	KEYPAD MIDDLE BUTTON PC PH730	51.83N04G001	KEYPAD MIDDLE BUTTON PC PD726
51.83N07G002	LENSCAP ADJUST BUTTON PC MN-36	51.83N07G001	LENSCAP ADJUST BUTTON PC MN-36
51.83N23G011	KEYPAD RIGHT BUTTON PC PH730	51.83N23G001	KEYPAD RIGHT BUTTON PC PD726
51.83N23G012	KEYPAD LEFT BUTTON PC PH730	51.83N23G002	KEYPAD LEFT BUTTON PC PD726
61.83N02G002	MANUAL LENS CAP AL-HAIRLINE PH	61.83N02G001	MANUAL LENS CAP AL-HAIRLINE PD

PH730		PD726	
70.85A07G001	ASSY LAMP CHANGER MODULE PH730	70.83N07G001	ASSY LAMP CHANGER MODULE PD726
23.83J15G001	OSRAM 200W E20.5 LAMP	23.83N15G001	OSRAM LAMP E21.8 1.3mm ARC 300
42.83F06G001	W.A. 2P#22 200C 6KV BALLAST/ LAMP HD72		
51.85A01G001	E20d5 LAMP BOTTOM PPS+40%GF PH	51.89621G012	LAMP CHANGER TILT 20 PPS+40%GF EP759/PD726
		51.83N39G001	LAMP HOLDER KAPTON TAP PD726
52.80J26G001	LAMP RUBBER VULCAN-1		
52.85902G011	LAMP CONTACT COVER RUBBER 300		
61.83F12G001	LAMP CLAMP SUS301 t=0.3 HD72	61.89618G002	LAMP CLIP HOLDER SUS301 0.25t EP759/PD726
61.85A01G001	E20d5 LAMP HOLDER FRAME AL PH7	61.89619G001	LAMP CLIP PUSH SUS301 0.25t EP759/PD726
61.85A03G001	BLOWER DUCT-1 AL PH730	61.83N04G001	BLOWER DUCT-1 PD726
61.88506G001	LAMP BRACKET 2 SUS301 0.3t 220		
61.89633G011	LAMP MESH PH730	61.89633G001	LAMP MECH GREEN EP759/ PD726
85.0A626G040	SCREW DOUBLE FLAT MECH M2.6*4 BLACK NYLOK		
85.1A126G040	SCREW PAN MECH M2.6*4 Ni	85.1A122G050	SCREW PAN MECH M2*5 Ni
70.85A10G001	ASSY LAMP DRIVER MODULE PH730	70.83N13G001	ASSY LAMP DRIVER MODULE PD726
75.83J01G001	ASSY OSRAM LAMPDRIVER 230W	75.80L01G004	ASSY OSRAM LAMP DRIVER 300W TY
		51.89639G001	LAMP DRIVER EMI MYLAR EP759/ PD726
70.85A15G001	ASSY RIGHT COVER MODULE PH730	70.83N19G001	ASSY RIGHT COVER MODULE PD726
75.85A04G001	ASSY RIGHT COVER PH730	75.83N08G001	ASSY RIGHT COVER PD726
		51.83N30G001	MYLAR FOR RIGHT COVER PD726